



Temporal Plots of Field and Laboratory Data for Each Site Sampled in 2011 and 2012

Report 4.2.3

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List of Acronyms

APHA	American Public Health Association
Ammonia	Total ammonium/ammonia nitrogen
BOD	Biochemical oxygen demand
BGA	Blue-green algae (estimated by phycocyanin fluorescence)
CBOD	Carbonaceous biochemical oxygen demand
Chl-a	Chlorophyll-a
DOC	Dissolved organic carbon
DO	Dissolved oxygen
EC	Electrical conductivity
EERP	Ecological Engineering Research Program
HDPE	High density polyethylene
IC	Inorganic carbon
Mineral Solids	Mineral suspended solids
NBOD	Nitrogenous biochemical oxygen demand
NIST	National Institute of Standards and Technology
NTU	Nephelometric turbidity units
Phosphate	Dissolved ortho-phosphate as phosphorus
PTFE	Polytetrafluoroethylene
QA	Quality assurance
QC	Quality control
RFU	Relative fluorescence Units
SM	Standard Methods
soluble nitrate-N	Dissolved nitrate plus nitrite as nitrogen
Silica	Dissolved silicate as silicon
Sp Cond	Specific conductivity
SWAMP	State Water Ambient Monitoring Program
SUVA	Specific ultraviolet absorbance
TDS	Total dissolved solids
Temp	Temperature
TOC	Total organic carbon
TP	Total phosphorus
TSS	Total suspended solids
VSS	Volatile suspended solids
YSI	Yellow Springs Instruments

Introduction

Temporal plots of all water quality data collected in 2011 and 2012 by the Ecological Engineering Research Program (EERP) at the University of the Pacific are included in this appendix. Data plots are grouped first by year sampled. The site locations are shown a map in Figure 0 and are identified by site number. All 2011 plots are shown between figures 1 – 1,025 and all 2012 plots are shown between figures 1,025 - 1,856. Within years, each water quality parameter is presented with all sites sampled in numerical order of the site number. Site numbers, names, and locations are listed in Table 1. Water quality parameters included in this report are presented in Table 2, starting with field measurements followed by laboratory measurements. Table 2 includes the figure numbers for each water quality parameter.

Methods

All sample collection, data evaluation, and analysis in the project was collected in accordance with rigorous, Surface Water Ambient Monitoring Program (SWAMP) compatible, quality assurance and quality control (QA/QC) procedures (Borglin, et al. 2008; SWAMP 2008; Spier, et al. 2011).

Field sampling consisted of collecting water samples, measuring water quality with a sonde, and recording field conditions at sites within the study area. The day before sample collection, the YSI 6600 Sonde connected to the YSI 650 MDS handset was calibrated at EERP following procedures in the YSI 6-Series Environmental Monitoring Systems Handbook (Yellow Springs Instrument Co. Inc. 2002). Dissolved Oxygen (DO) and depth were calibrated using the wet-towel method. Specific conductance (Sp Cond), measured with a temperature-compensated electrical conductivity probe (EC), was calibrated using a 1408 $\mu\text{S}/\text{cm}$ conductivity standard (Radiometer Analytical SAS, Lyon, France). Total dissolved solids (TDS) was calculated based on the EC measurement. Temperature calibration was checked against a National Institute of Standards and Technology (NIST) certified thermometer. The pH probe was calibrated using standards of pH 4, pH 7, and pH 10 (VWR International, West Chester, PA). The fluorescence probe output (for estimating chlorophyll) was recorded in Millipore water or 0 NTU water to account for drift. The turbidity probe was calibrated with three standards of 0 NTU or Millipore water, 40 NTU, and 200 NTU (Hach, Loveland, Colorado).

On the day of sampling the sonde was recalibrated for DO at the first site to correct for ambient barometric pressure. At each sampling location, water quality data was collected for at least 2 minutes. The parameters measured by the sonde at each site included time, temperature ($^{\circ}\text{C}$), specific conductance ($\mu\text{S}/\text{cm}$), TDS (mg/L), DO concentration (mg/L), DO charge, depth (ft), pH, turbidity (NTU), chlorophyll and phycocyanin fluorescence, chlorophyll content ($\mu\text{g}/\text{L}$), blue-green algae (cells/mL), and barometric pressure (mmHg).

Water samples were collected in glass 1000 mL bottles (Wheaton Science Products, Millville, NJ), 1000 mL HDPE Trace-Clean narrow mouth plastic bottles (VWR International), 250 mL HDPE Trace-Clean wide mouth plastic bottles (VWR International), 16x100 mm pretreated chlorine free glass tubes (VWR International), and 40 mL trace clean vials with PTFE septa (IChem, Rockwood, Tennessee) in accordance with requirements for different lab analysis and

volume requirements. All bottles were rinsed with sample water prior to collection of a depth-integrated sample. Samples were immediately stored at 4°C after sampling and transported to the lab on the day of sampling. Sondes were post-calibrated within twenty-four hours of the sampling event.

Samples were received by the laboratory the same day they were sampled, logged in and inspected for damage, and stored at 4°C until filtering and analysis. All filtration and preservation of samples were completed within 24 hours. Samples were collected, preserved, stored, and analyzed by methods outlined in Standard Methods for the Analysis of Water and Wastewater (APHA 2005), unless otherwise indicated. Unfiltered samples were analyzed for biochemical oxygen demand (BOD), carbonaceous BOD (CBOD), and nitrogenous BOD (NBOD) by Standard Method (SM) 5210 B (APHA 2005) with a modification for measurement of oxygen demand at 10 days rather than 5 days. Total organic carbon (TOC), dissolved organic carbon (DOC), and inorganic carbon (IC) were analyzed on a Teledyne-Tekmar Apollo 9000 (Mason, OH) by high temperature combustion according to SM 5310 B. Total suspended solids (TSS), mineral suspended solids (mineral solids) and volatile suspended solids (VSS) were analyzed by SM 2540 D and E. Chlorophyll-a (chl-a) and pheophytin were extracted and analyzed using UV absorption as described in SM 10200 H. Alkalinity was measured on samples within 24 hours of sample collection by SM 2320B. Soluble nitrate plus nitrite as nitrogen (soluble nitrate-N) and total ammonia plus ammonium as nitrogen (ammonia) were quantified using an automated membrane diffusion/conductivity detection method (Carlson 1978; Carlson 1986; Carlson, Cabrera et al. 1990). Total nitrogen was determined by the same method from unfiltered sample following persulfate oxidation (Yu, Northup et al. 1994). Dissolved ortho-phosphate as phosphorus (phosphate) was quantified in filtered samples by the stannous chloride method SM 4500-P.D. Total phosphorus (TP) was determined on unfiltered sample by persulfate digestion (Yu, Northup et al. 1994) and colorimetric determination by the stannous chloride method SM 4500-P.D. Dissolved silicate as silicon (silica) was analyzed by using a modified Heteropoly Blue molybdosilicate method (modified SM 4500-SiO₂ D). Chloride was measured according to EPA method 9212 using an ion selective electrode made by Thermo Scientific (Beverly, MA). Specific ultraviolet absorbance (SUVA, L/mg Carbon- m) was calculated according to SM 5910B (APHA 2005; Potter and Wimsatt 2005).

Acknowledgements

We gratefully acknowledge the Ecosystem Restoration Program and its implementing agencies (California Department of Fish and Wildlife, U.S. Fish and Wildlife Service, and the National Marine Fisheries Service) for supporting this project (E0883006, ERP-08D-SO3).

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Table 1: Sites sampled in each study year.

DO site number	Site name	Years Sampled
2	SJR at Dos Reis Park	2011 and 2012
4	SJR at Mossdale	2011 and 2012
5	SJR at Vernalis	2011 only
7	SJR at Patterson	2011 and 2012
10	SJR at Lander Ave.	2011 and 2012
11	French Camp Slough	2011 and 2012
12	Stanislaus River at Caswell Park	2011 only
14	Tuolumne River at Shiloh	2011 only
16	Merced River at River Rd.	2011 and 2012
18	Mud Slough near Gustine	2011 and 2012
19	Salt Slough at Lander Ave.	2011 and 2012
21	Orestimba Creek at River Rd.	2011 and 2012
25	Miller Lake at Stanislaus River	2011 only
29	TID Harding Drain	2011 and 2012
34	Ingram Creek	2011 and 2012
36	Del Puerto Creek	2011 only
44	San Luis Drain End	2011 and 2012
57	Ramona Lake	2011 only
127	SJR at Brant Bridge	2011 and 2012
402	Light 18 (Node 96)	2011 and 2012
405	Calaveras River	2011 and 2012
406	RM 35.8 Light 38 DWSC	2011 and 2012
410	Bear Creek at Trinity Bridge	2011 and 2012
413	Smith Canal at Yosemite Lake	2011 and 2012
420	Mosher Slough at Mariners Dr.	2011 and 2012
421	5 Mile Slough at Hazelwood Ave	2011 and 2012
424	14 Mile Slough	2011 and 2012
425	Turner Cut	2011 and 2012
426	Turning Basin at Morelli Park Launch	2011 and 2012
427	RM 39 Near Louis Park	2011 and 2012
428	RM 33.2 Upstream of Acker Isl (Light 28)	2011 and 2012
433	Paradise Marina (Node 70)	2011 and 2012

Table 2: Water quality parameters included in this report

Water quality parameter	2011 figure numbers	2012 figure numbers
Temperature	1-33	1025-1050
Specific Conductance	34-64	1051-1076
Total Dissolved Solids	65-96	1077-1102
Dissolved Oxygen (DO) percentage saturation	97-128	1103-1128
Dissolved Oxygen (DO) concentration	129-160	1129-1154
pH	161-192	1155-1180
Turbidity	193-224	1181-1206
Blue-Green Algae as determined by phycocyanin (cells/mL)	225-256	1207-1232
Blue-Green Algae as determined by phycocyanin (RFU)	257-288	1233-1258
Total Alkalinity	289-320	1259-1284
Phenolphthalein Alkalinity	321-352	1285-1310
Total Organic Carbon	353-384	1311-1336
Dissolved Organic Carbon	385-416	1337-1362
Inorganic Carbon	417-448	1363-1388
Total Suspended Solids	449-480	1389-1414
Mineral Suspended Solids	481-512	1415-1440
Volatile Suspended Solids	513-544	1441-1466
Soluble nitrate-N	545-576	1467-1492
Ammonia-N	577-608	1493-1518
Total Nitrogen	609-640	1519-1544
Dissolved Phosphate-P	641-672	1545-1570
Total Phosphorus	673-704	1571-1596
Biological Oxygen Demand	705-736	1597-1622
Carbonaceous Biochemical Oxygen Demand	737-768	1623-1648
Nitrogenous Biochemical Oxygen Demand	769-800	1649-1674
Chlorophyll-a by Standard Methods	801-832	1675-1700
Chlorophyll-a by Trichromatic Method	833-864	1701-1726
Pheophytin	865-896	1727-1752
Total algal pigments	897-928	1753-1778
Dissolved Silica-Si	929-960	1779-1804
Specific Ultraviolet Absorbance	961-992	1805-1830
Chloride	993-1024	1831-1856

2011 Plots

Figures 1-32: Temporal plots of temperature by Site ID

Figure 1: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

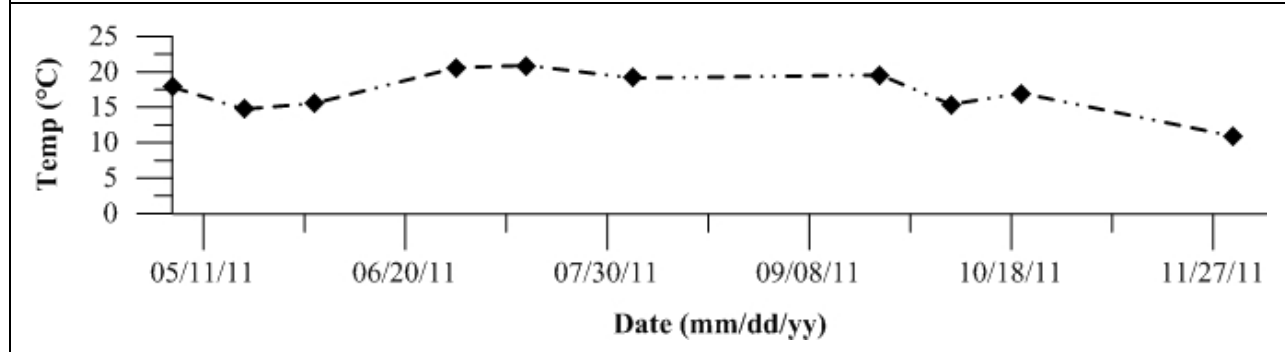


Figure 2: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

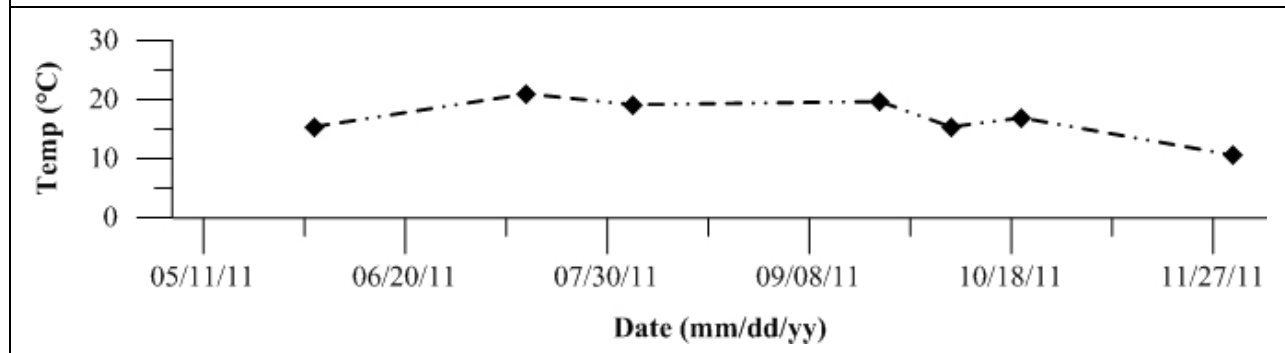


Figure 3: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

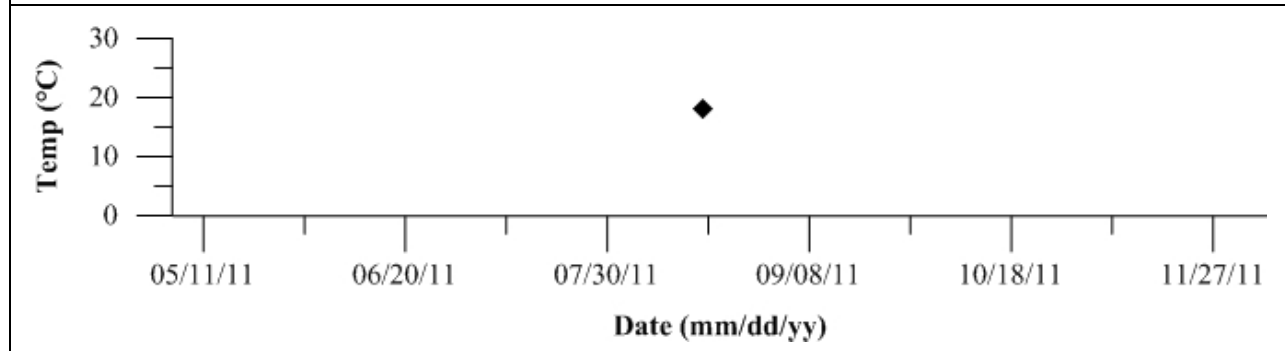


Figure 4: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

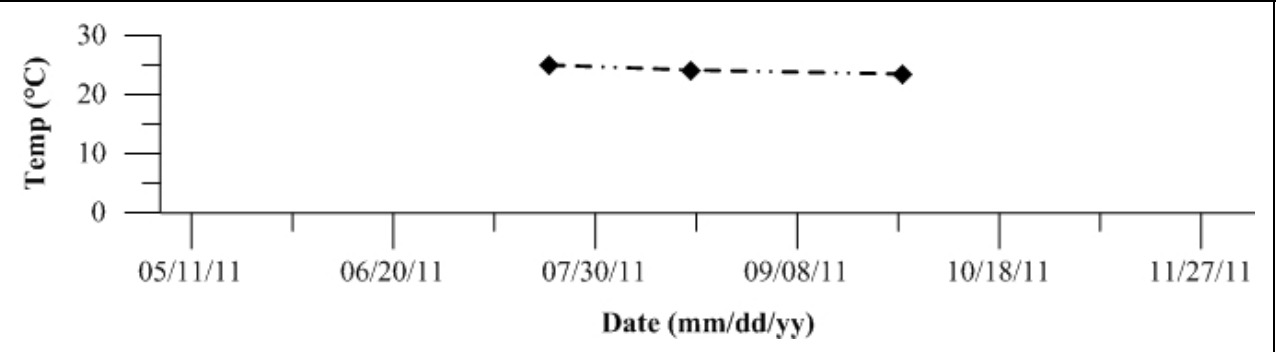


Figure 5: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

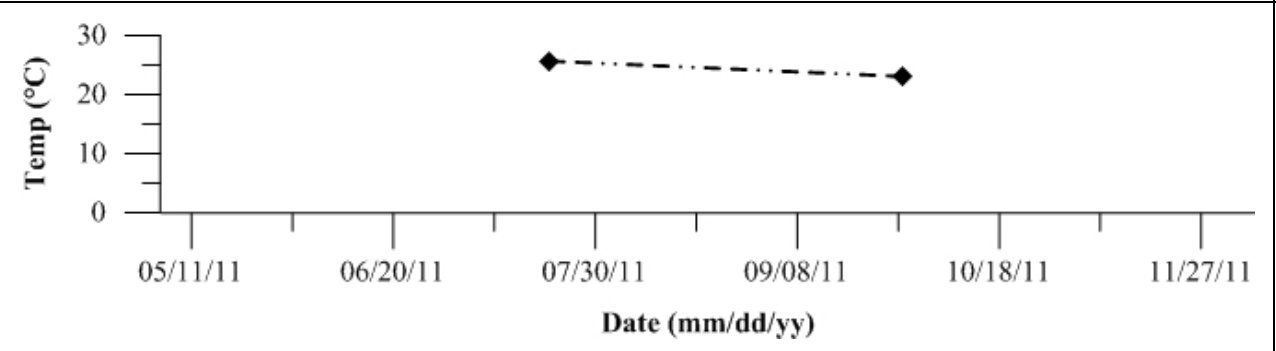


Figure 6: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

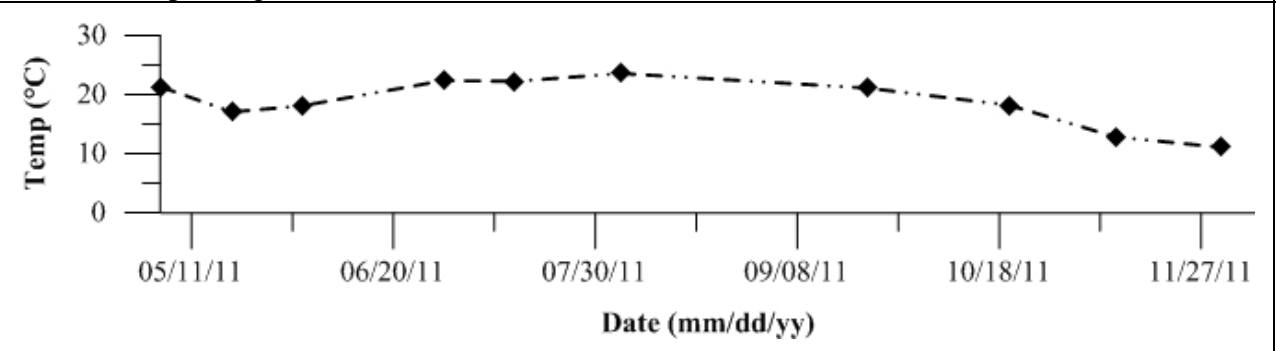


Figure 7: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

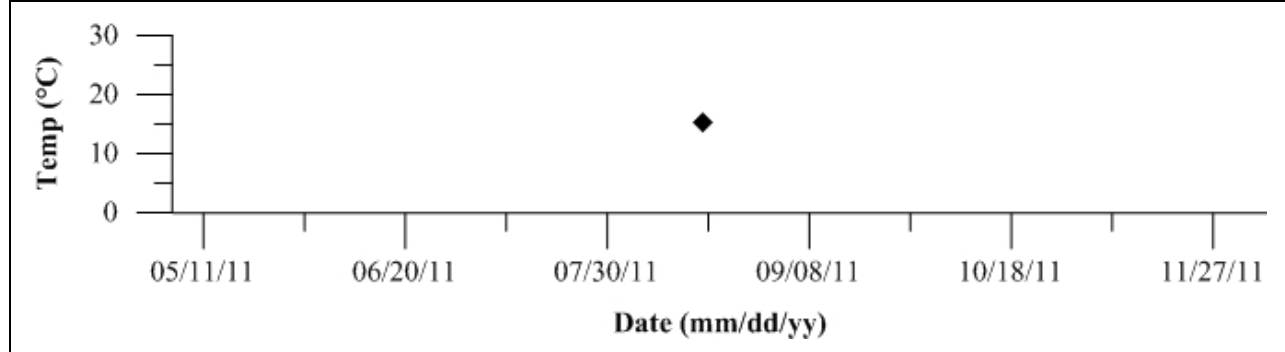


Figure 8: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

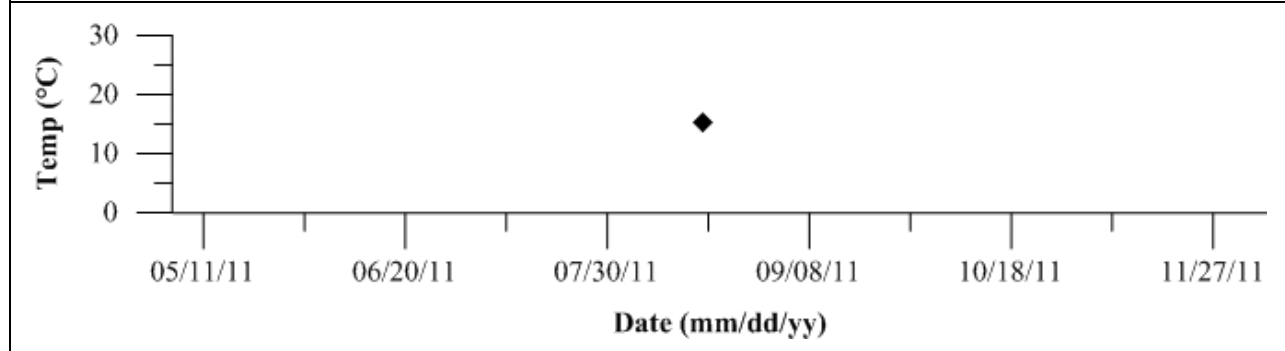


Figure 9: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

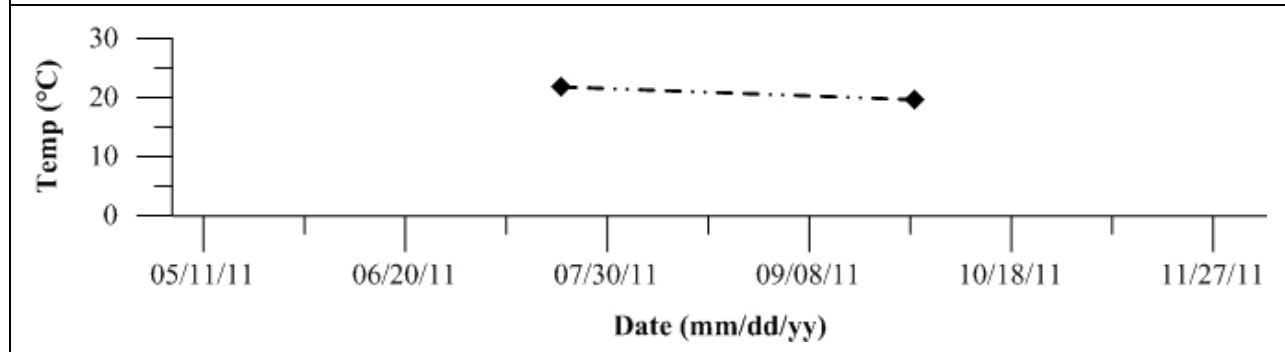


Figure 10: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

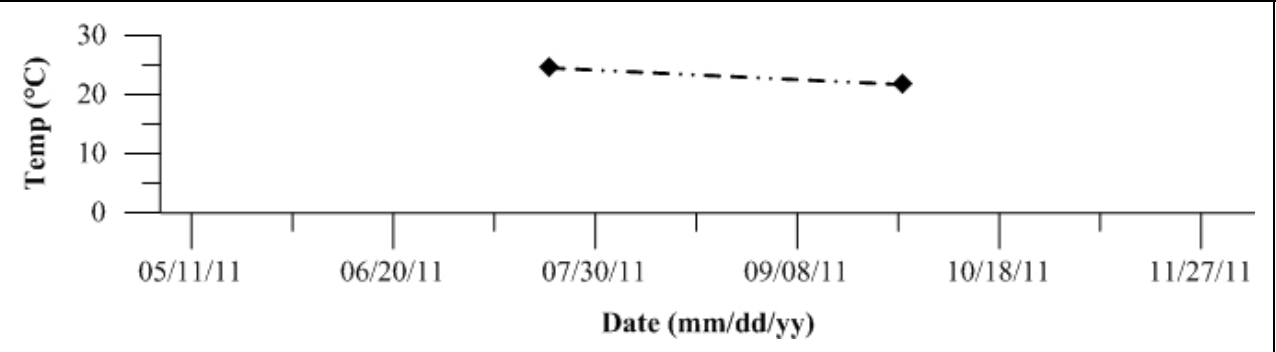


Figure 11: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

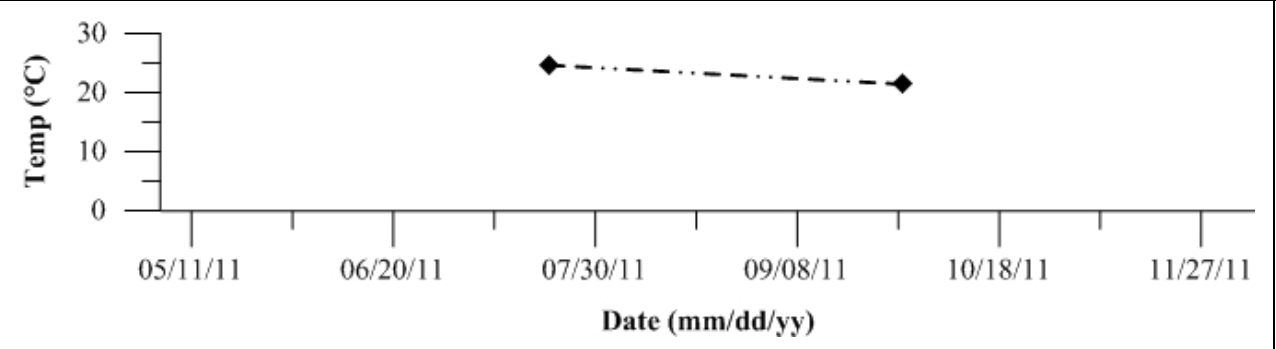


Figure 12: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

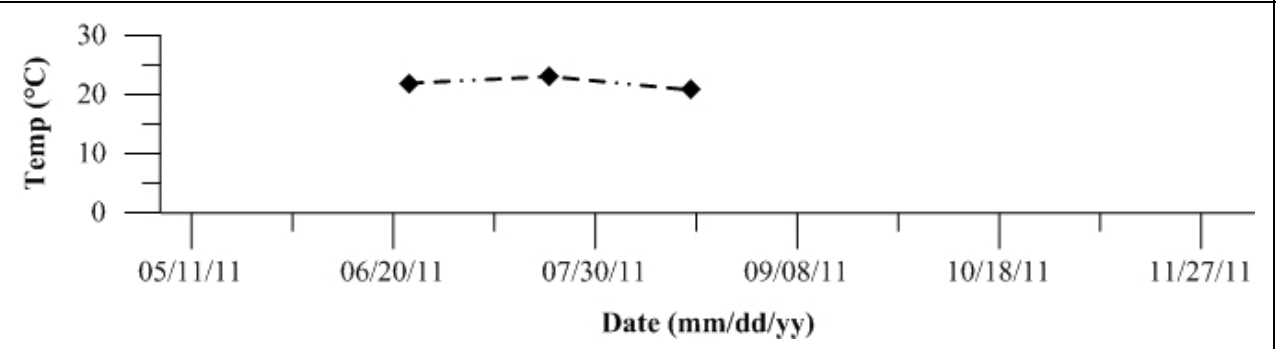


Figure 13: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

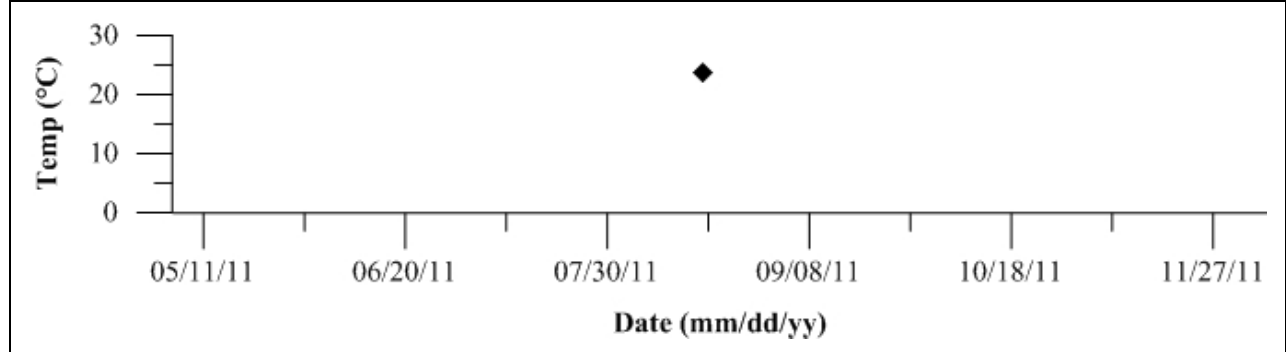


Figure 14: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

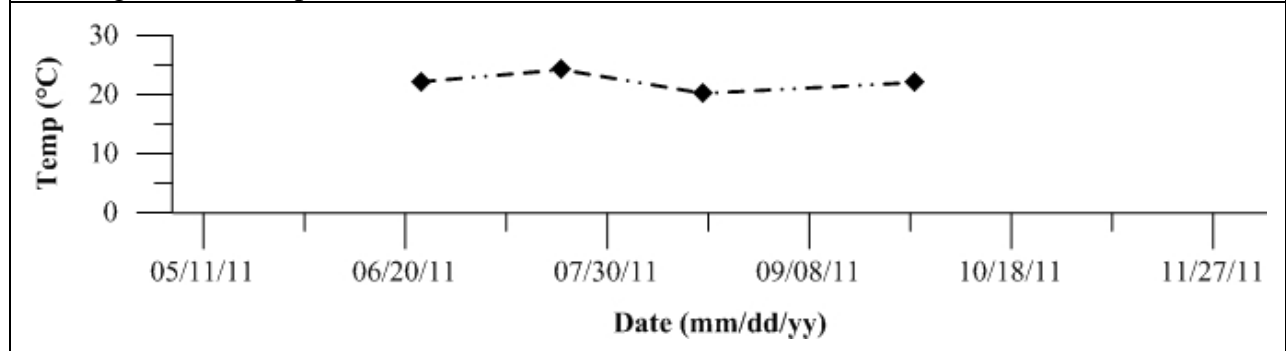


Figure 15: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

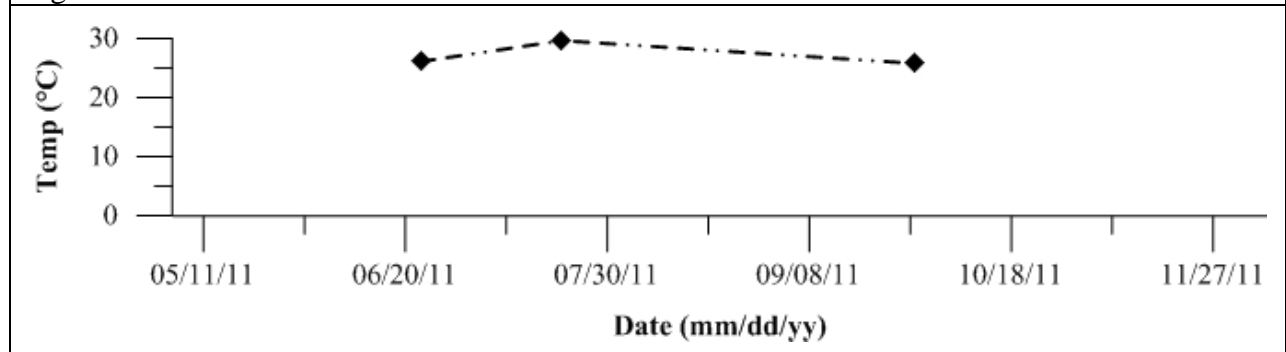


Figure 16: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

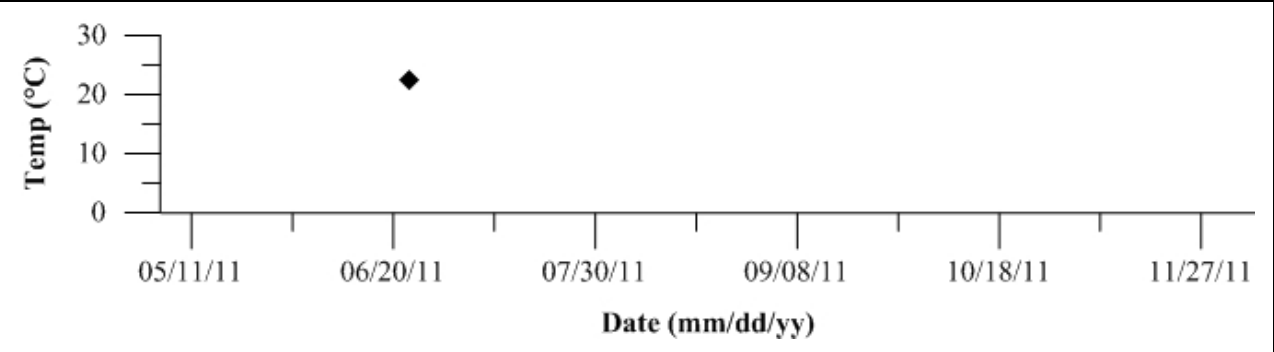


Figure 17: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

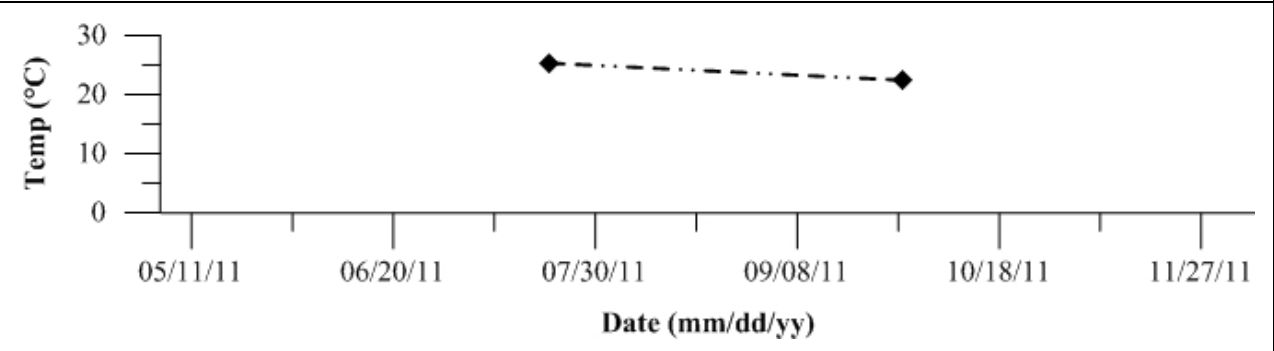


Figure 18: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

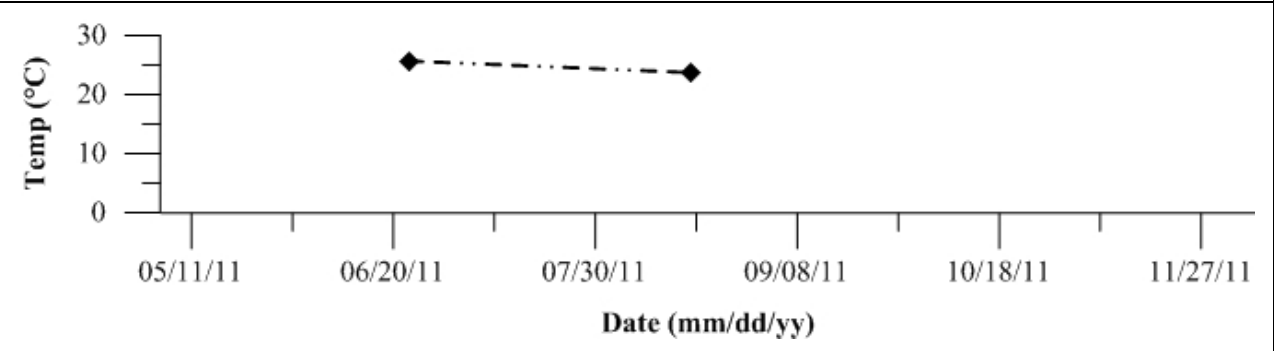


Figure 19: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

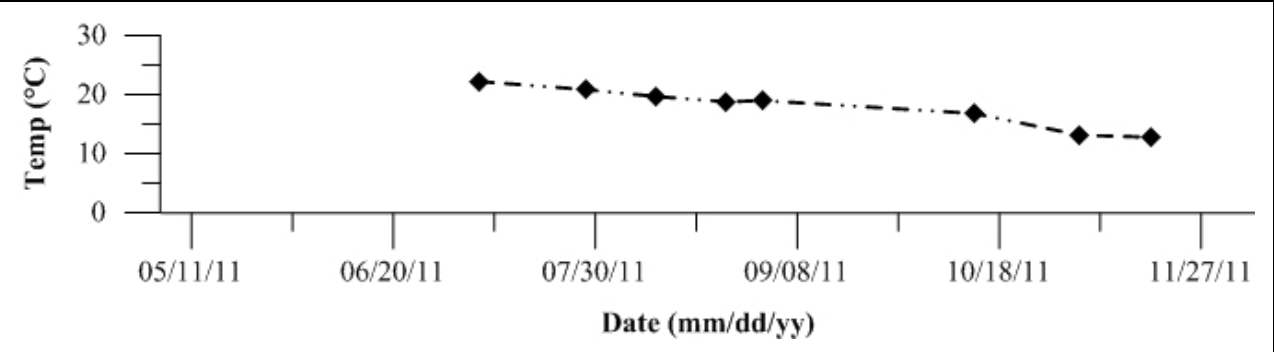


Figure 20: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

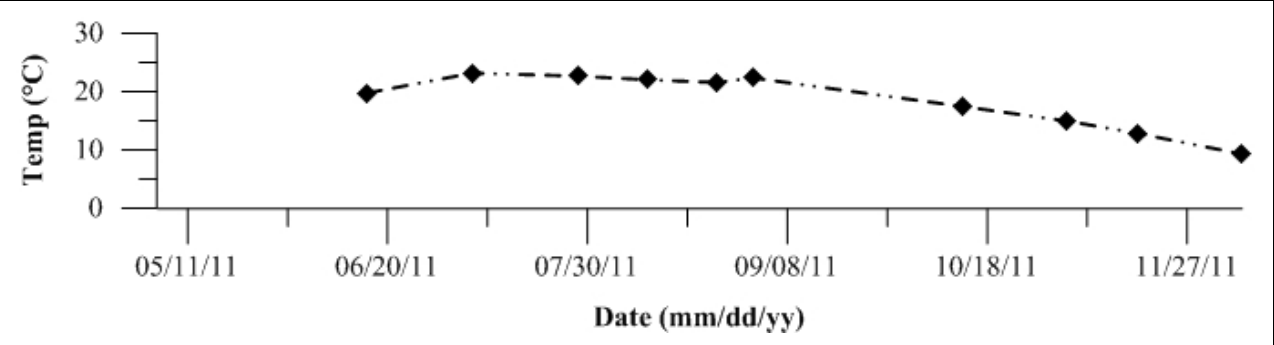


Figure 21: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

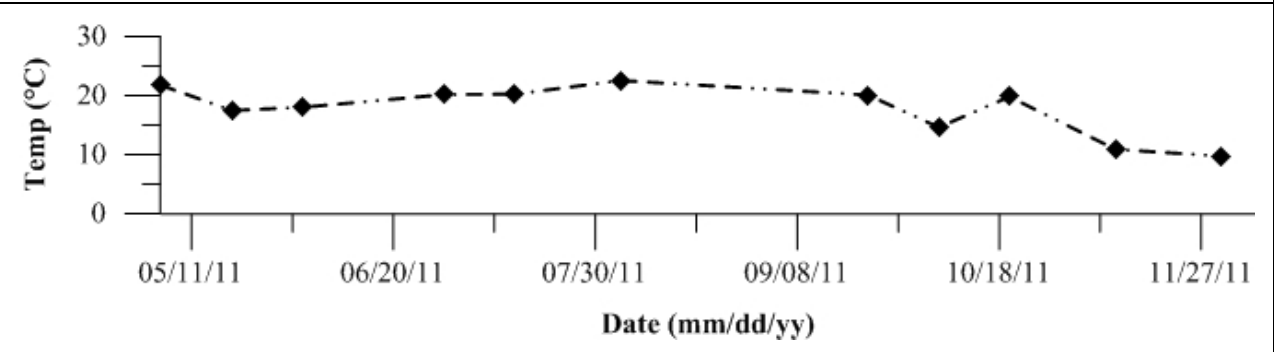


Figure 22: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

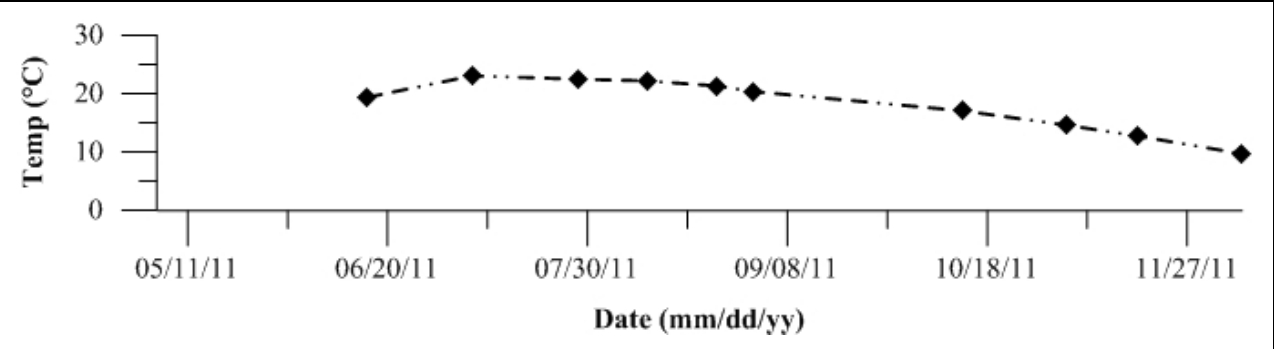


Figure 23: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

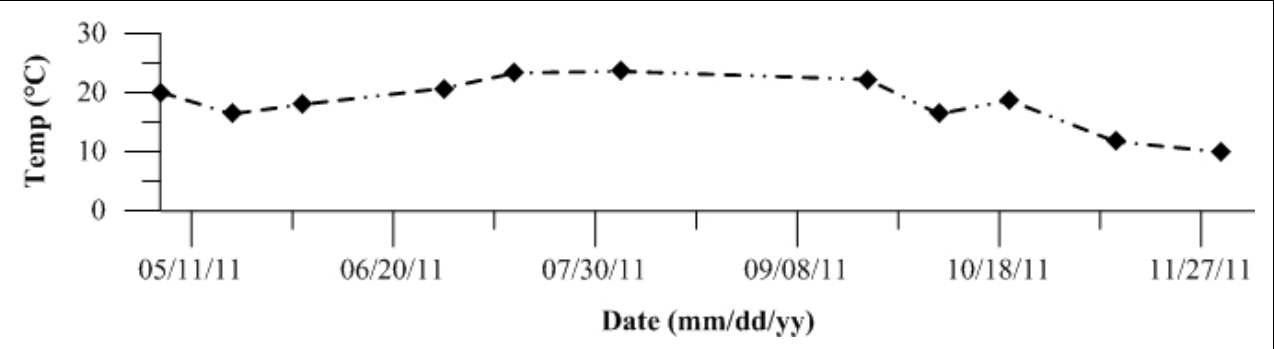


Figure 24: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

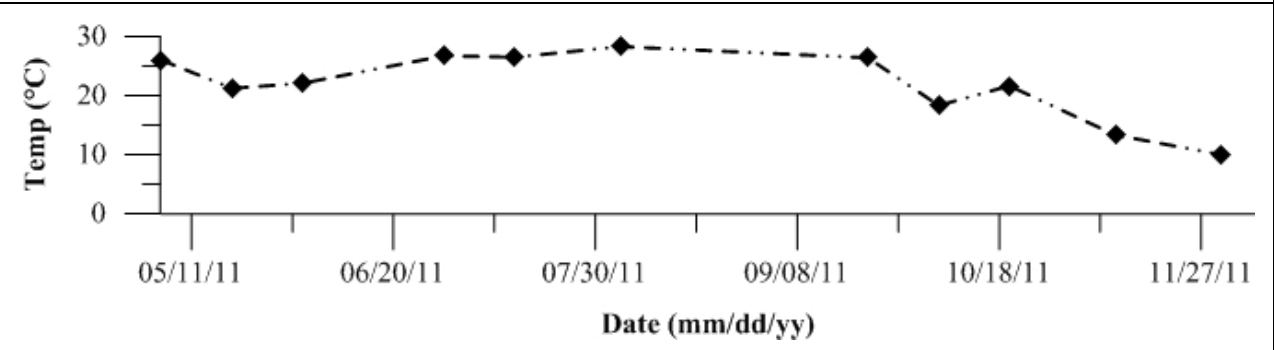


Figure 25: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

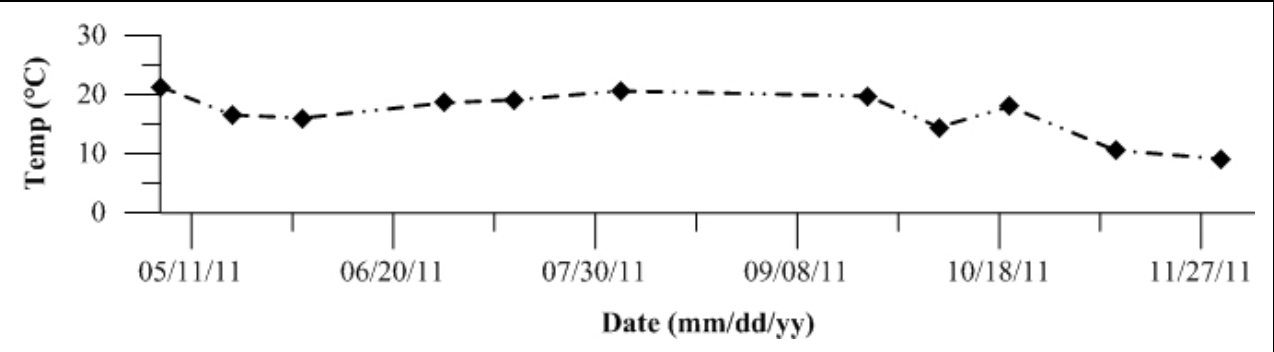


Figure 26: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

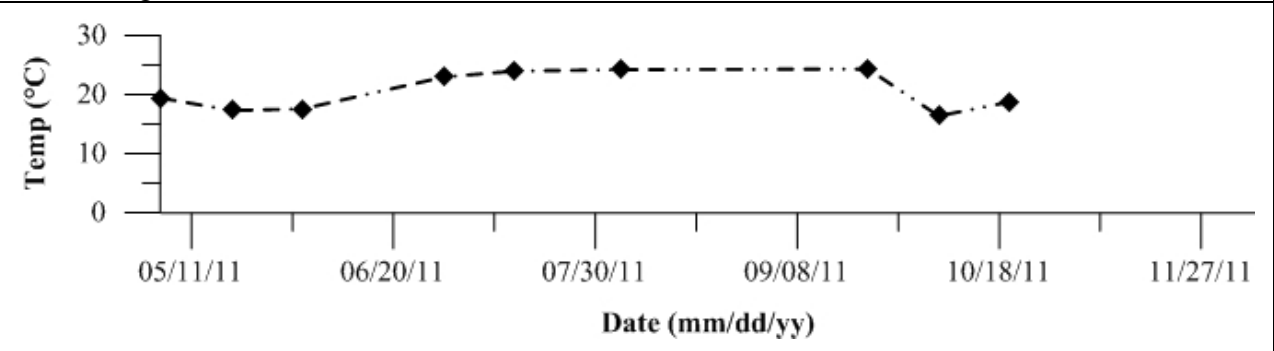


Figure 27: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

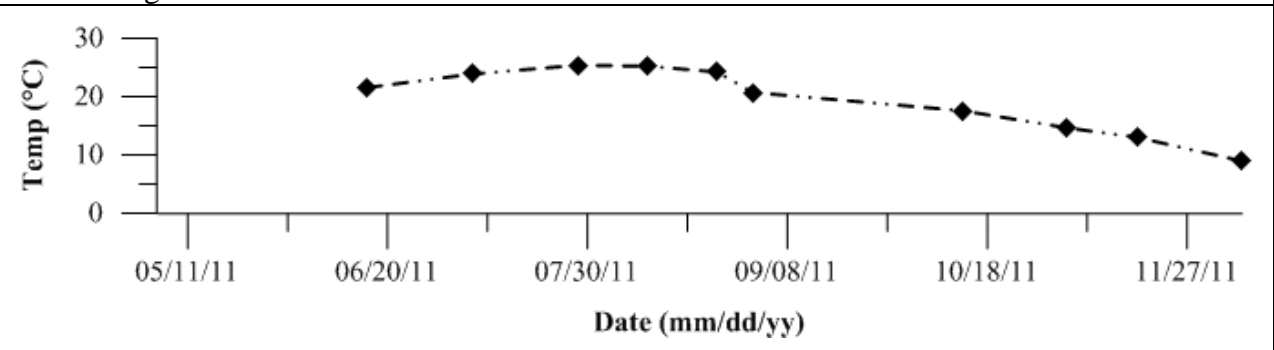


Figure 28: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

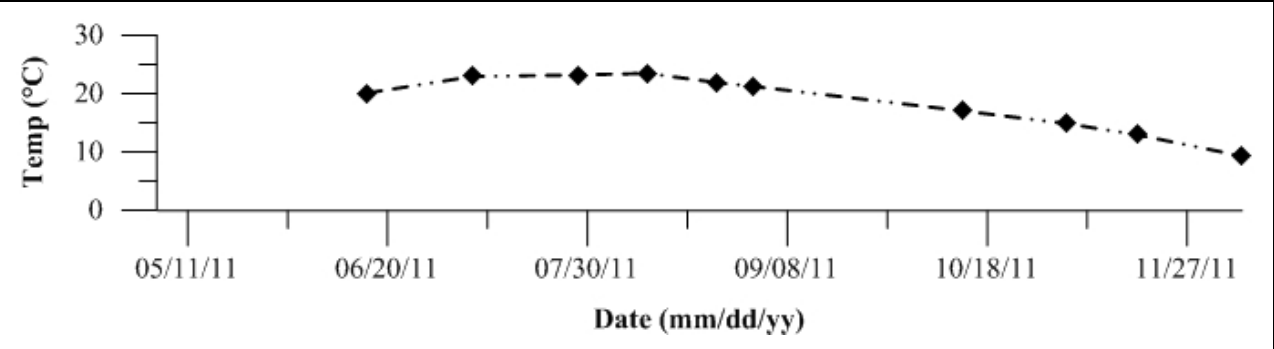


Figure 29: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

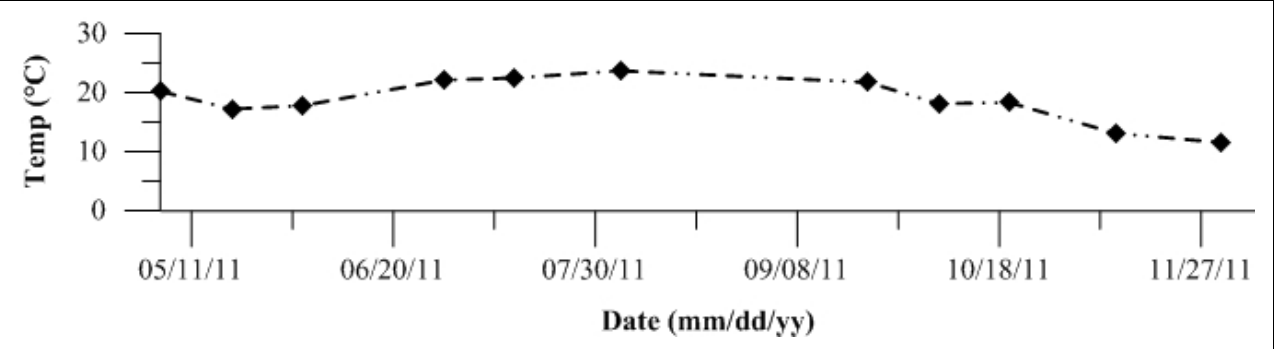


Figure 30: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

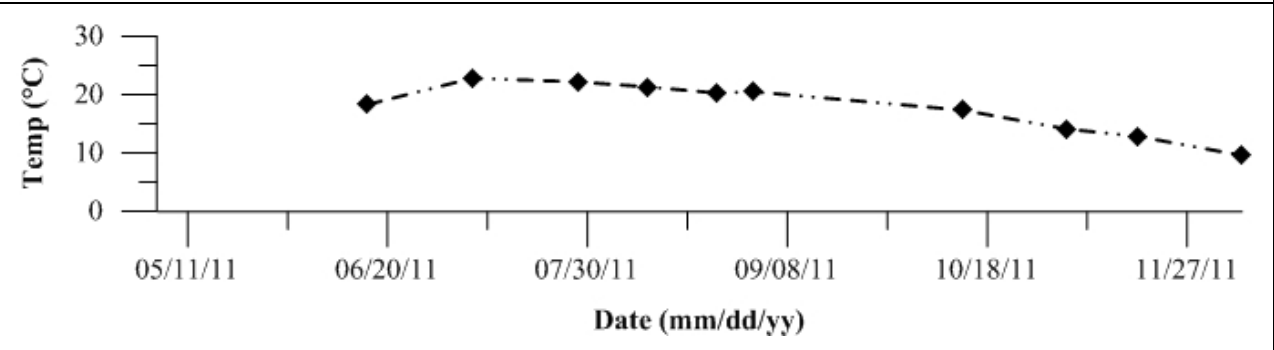


Figure 31: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

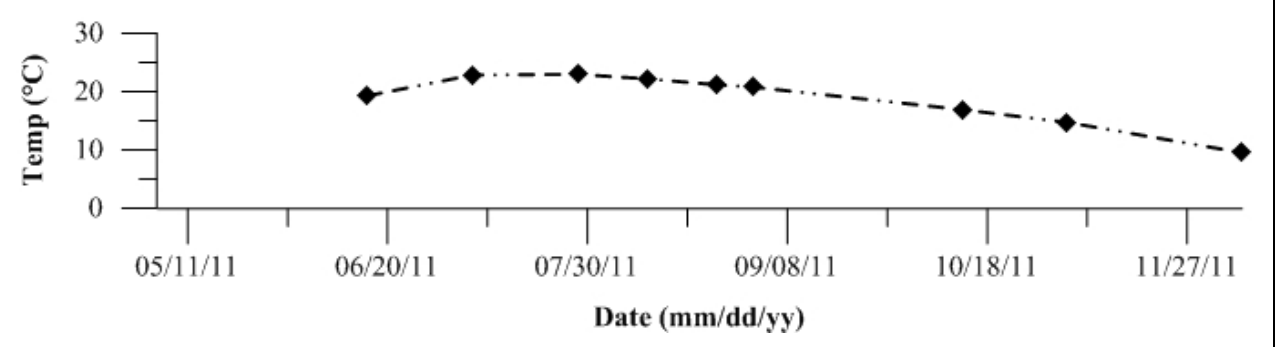
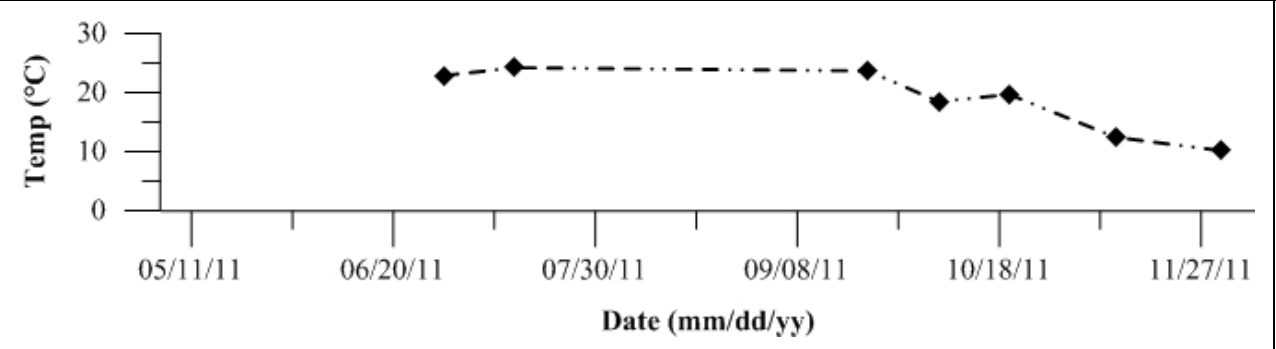


Figure 32: Grab sample temperature as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 33-64: Temporal plots of specific conductance as measured with the sonde by Site ID

Figure 33: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

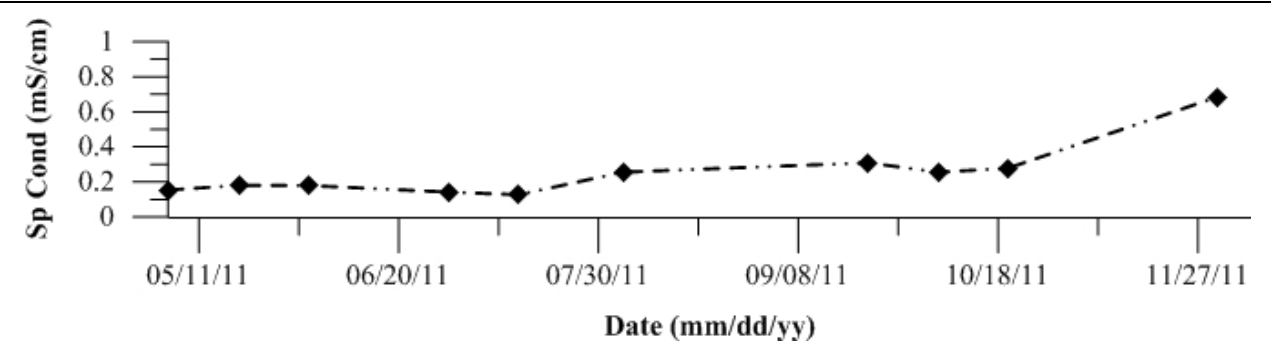


Figure 34: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

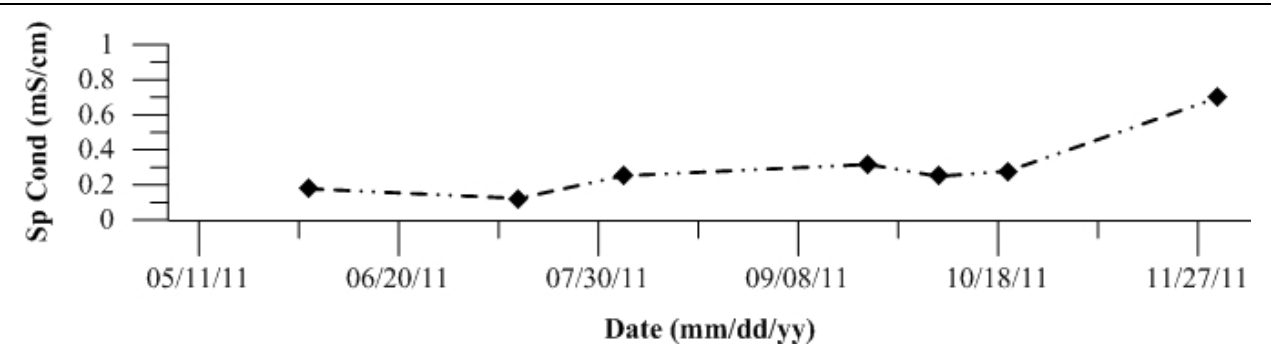


Figure 35: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

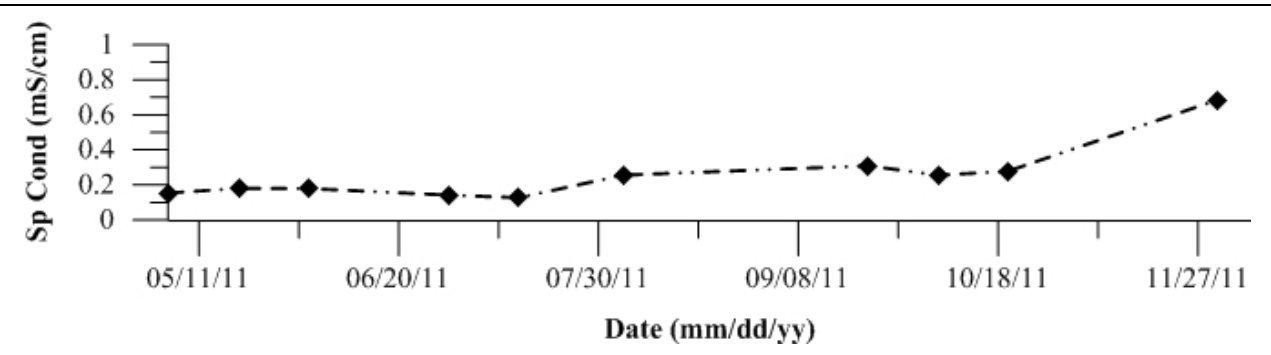


Figure 36: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

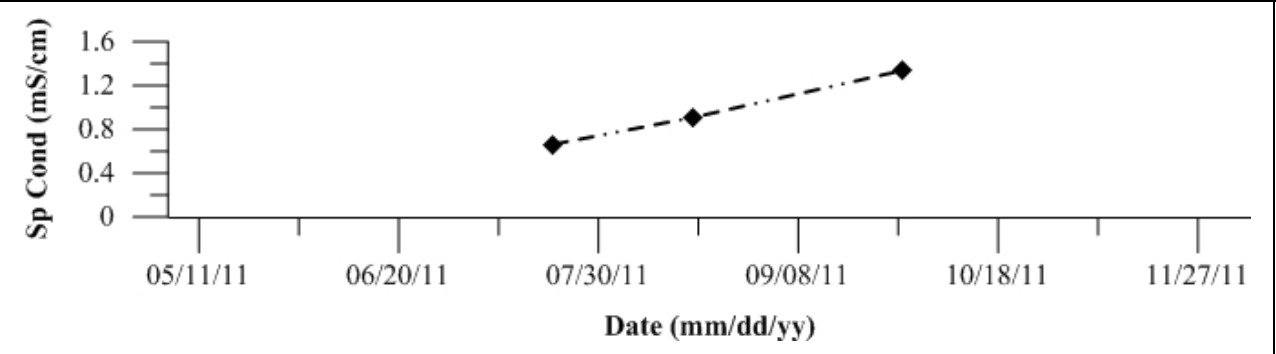


Figure 37: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

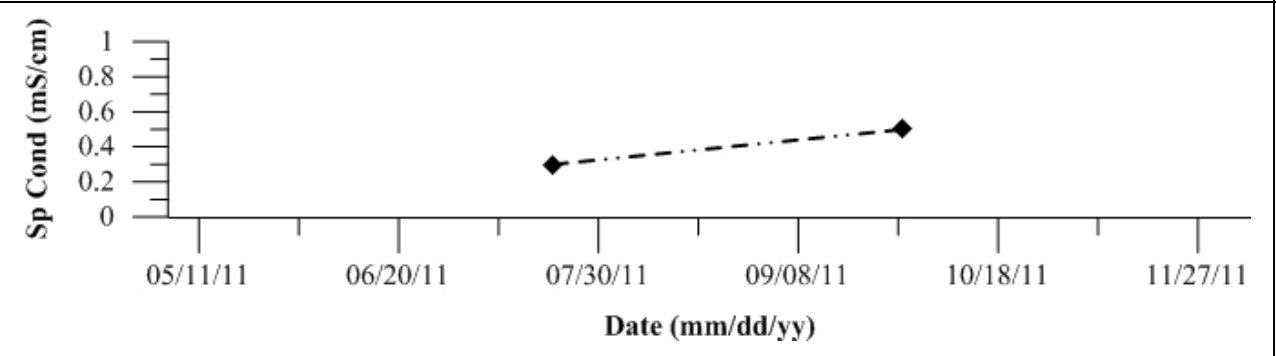


Figure 38: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

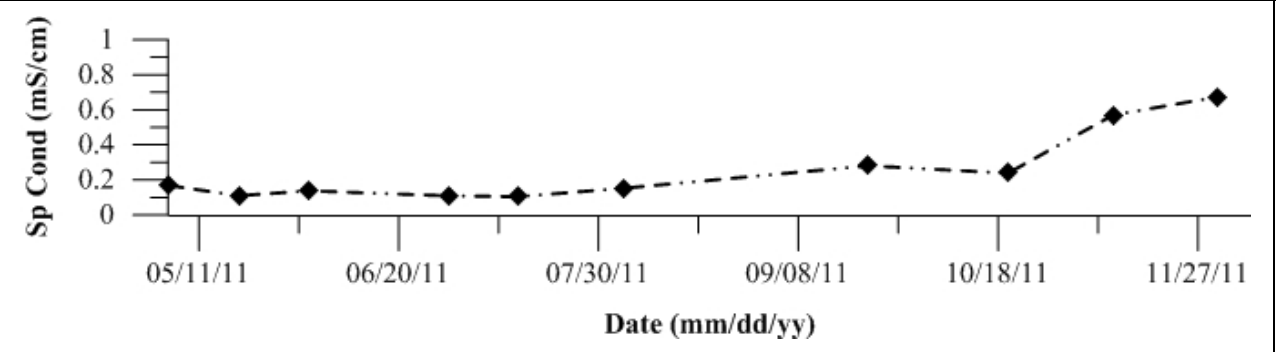


Figure 39: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

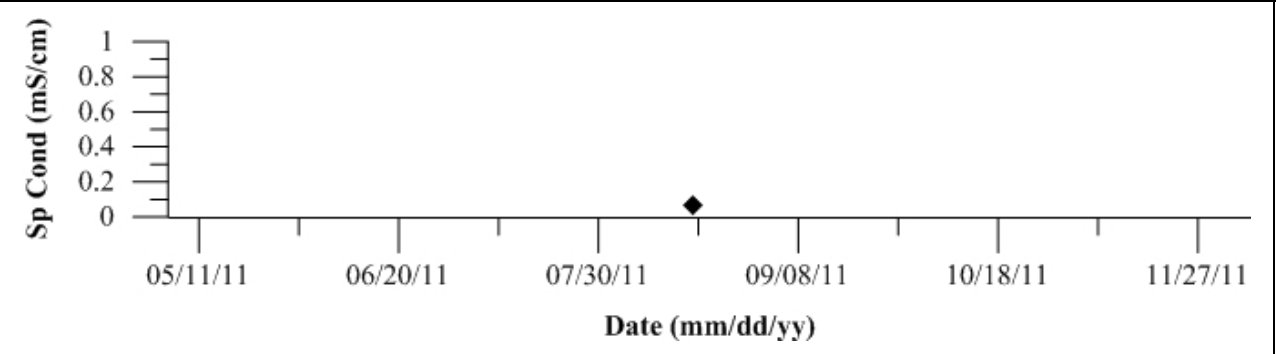


Figure 40: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

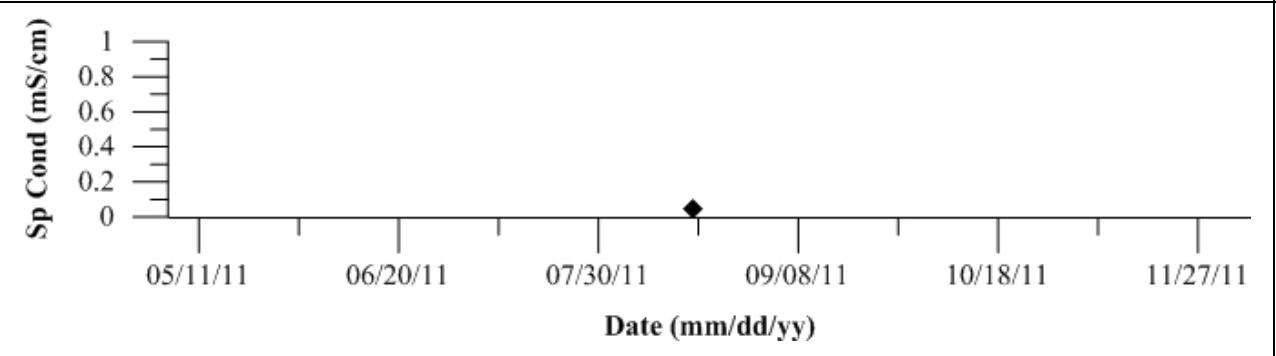


Figure 41: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

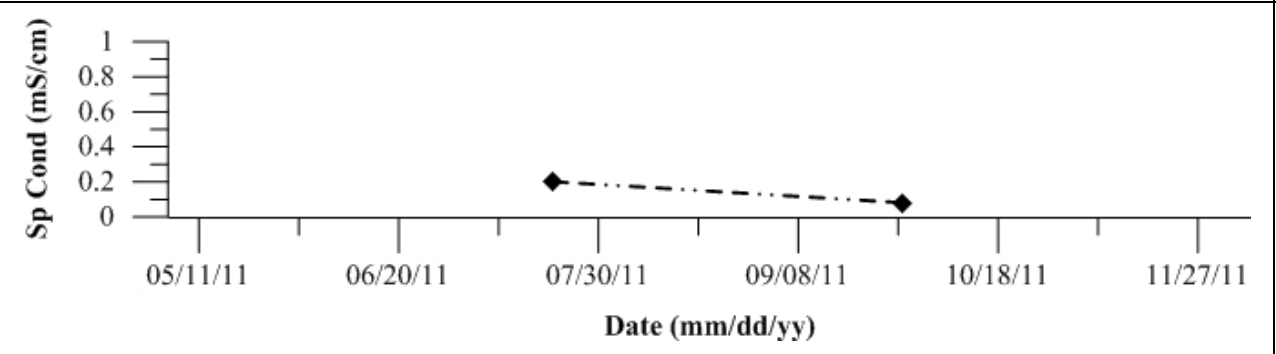


Figure 42: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

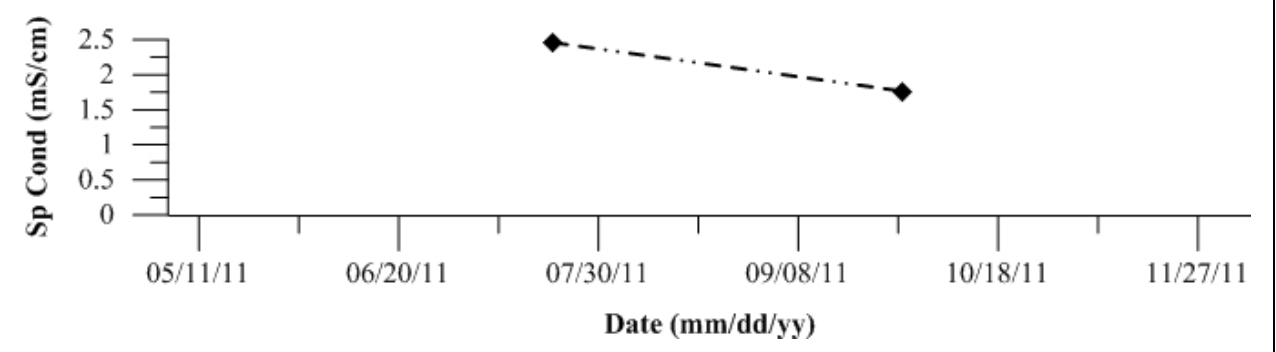


Figure 43: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

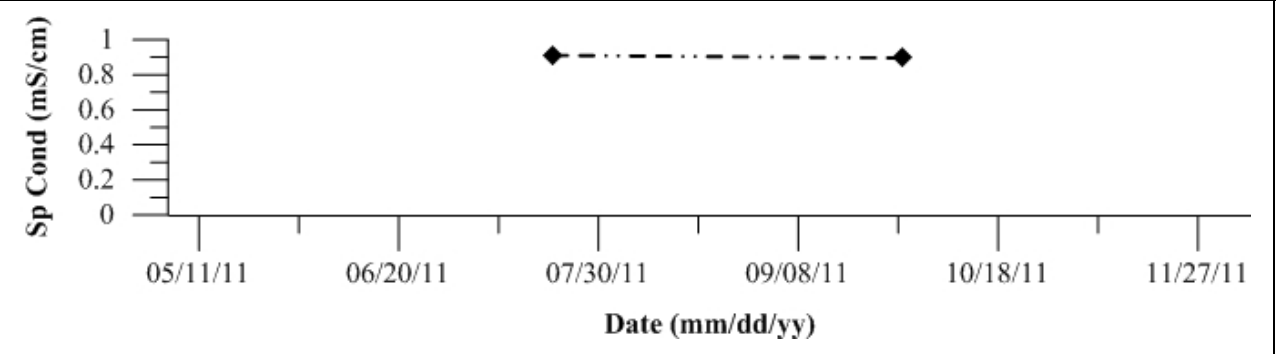


Figure 44: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

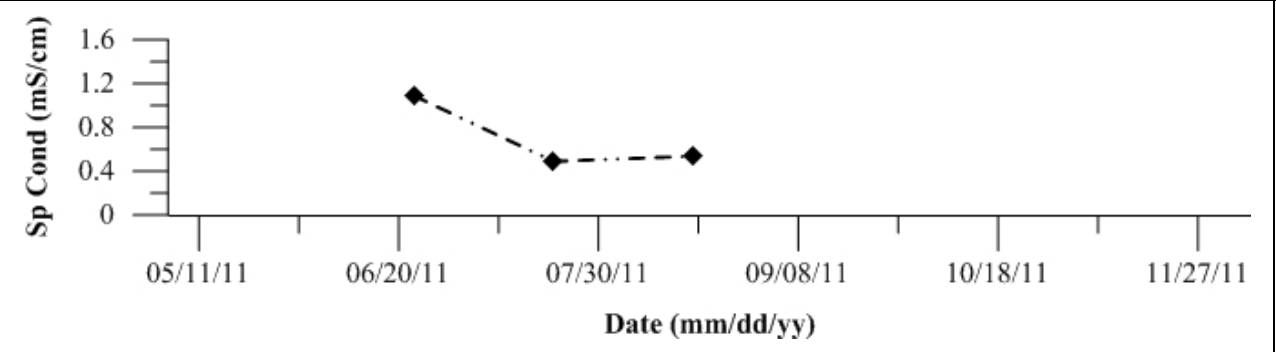


Figure 45: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

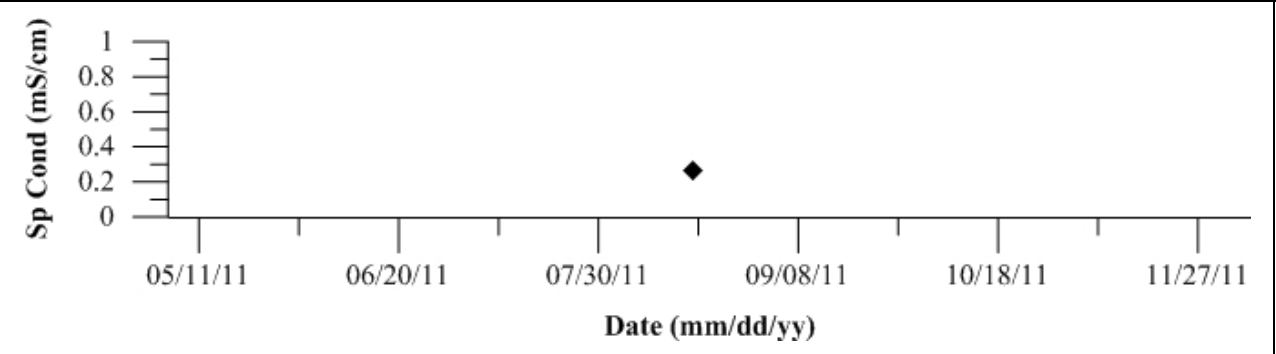


Figure 46: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

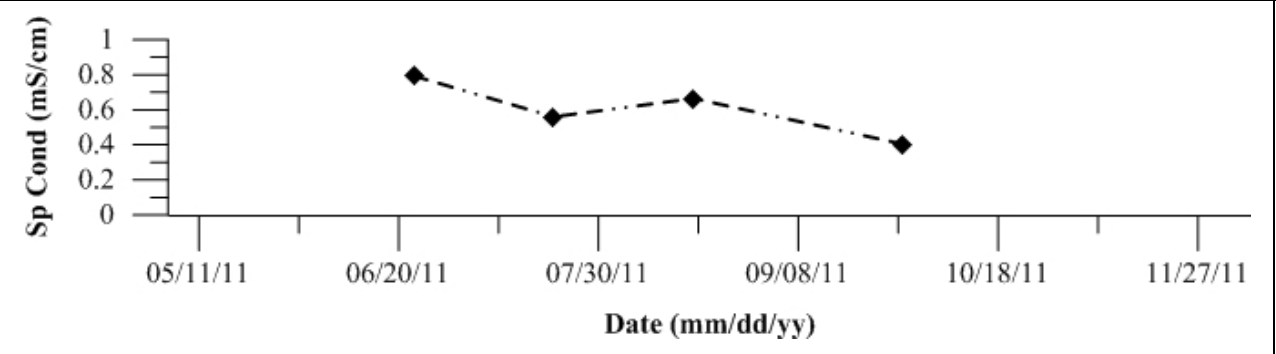


Figure 47: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

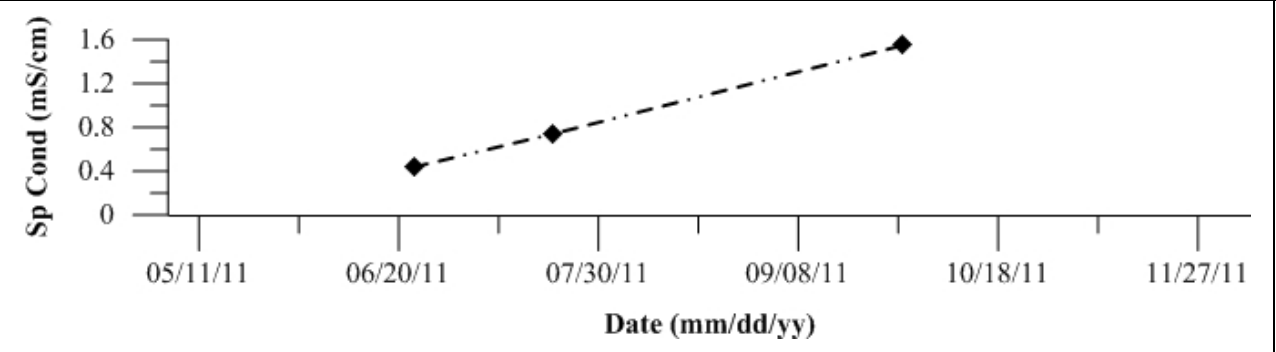


Figure 48: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

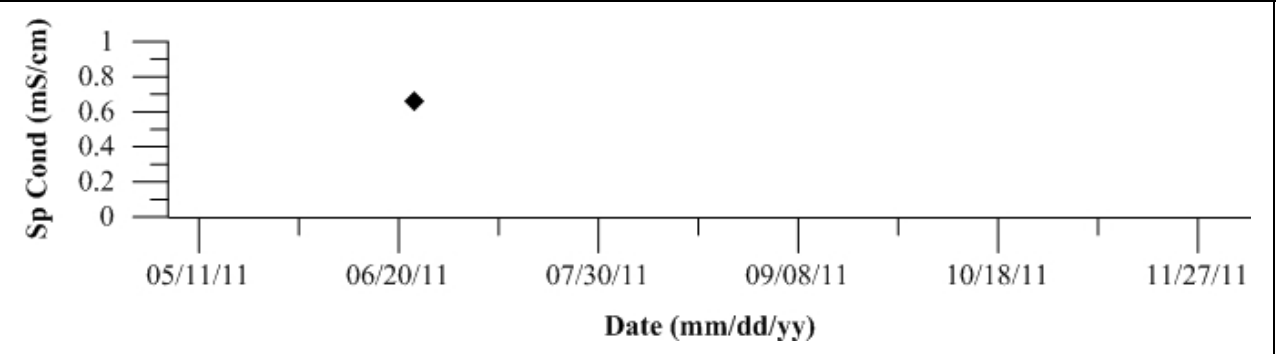


Figure 49: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

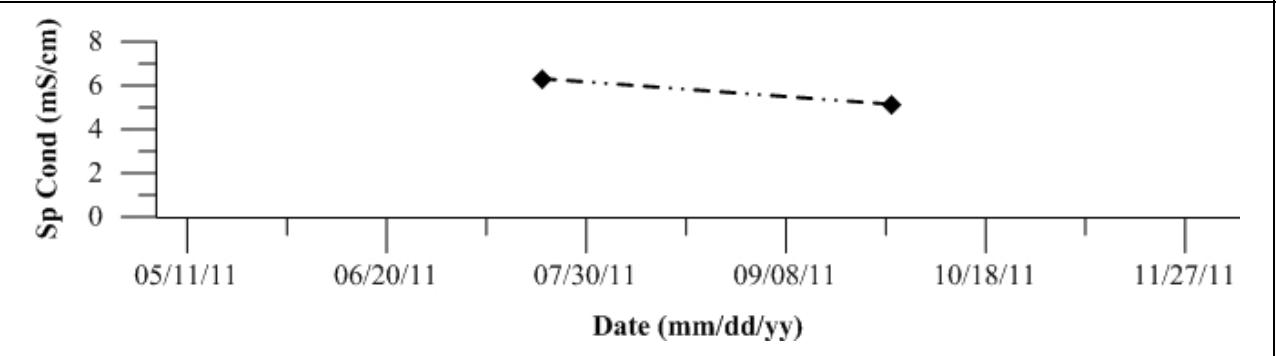


Figure 50: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

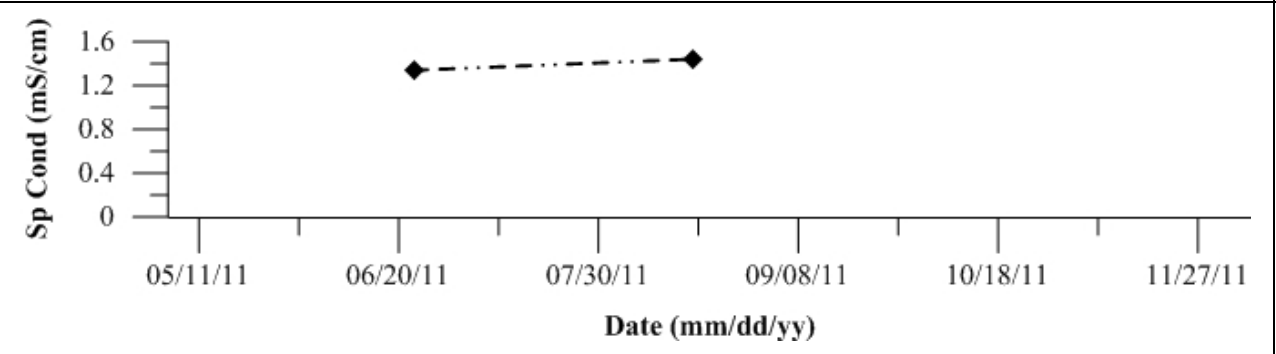


Figure 51: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

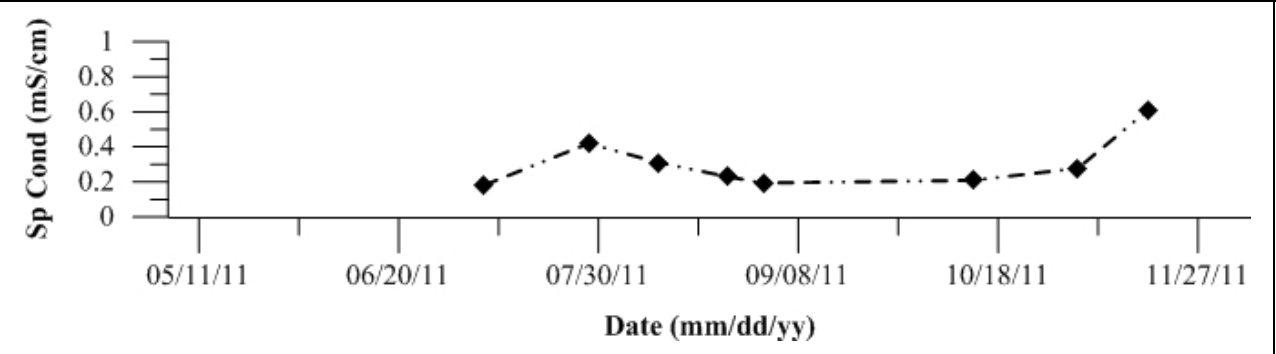


Figure 52: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

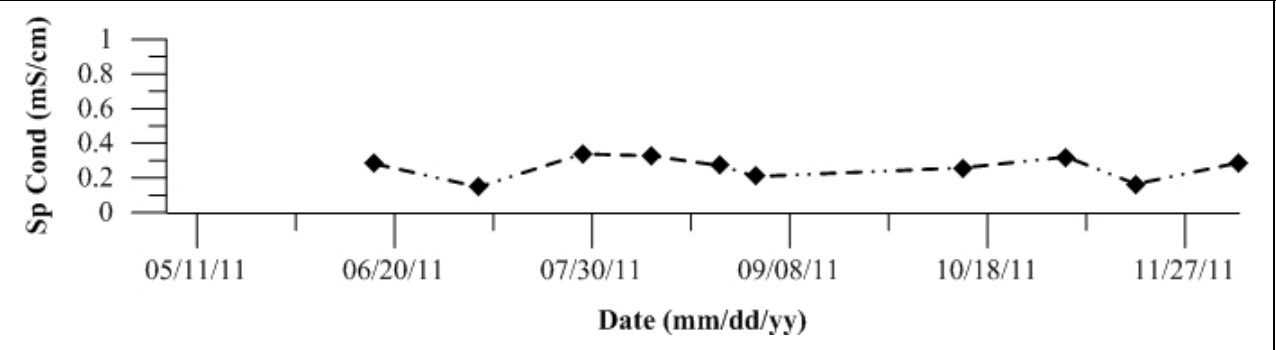


Figure 53: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

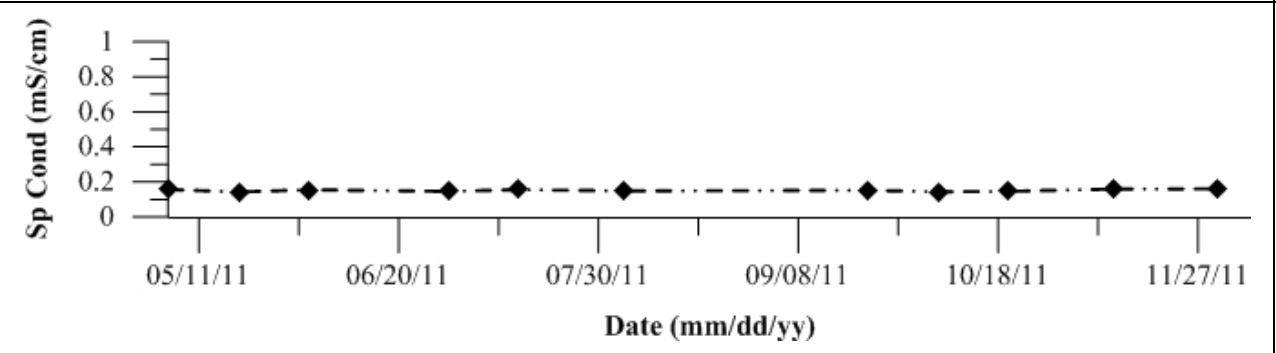


Figure 54: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

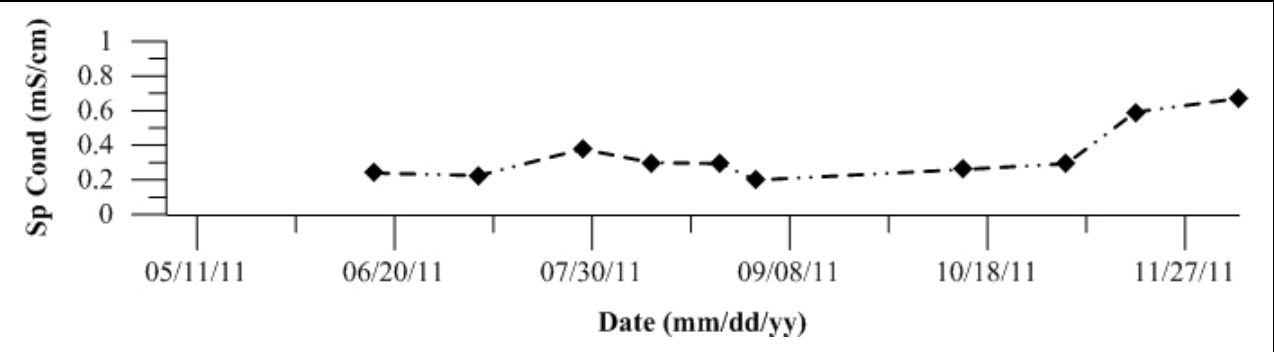


Figure 55: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

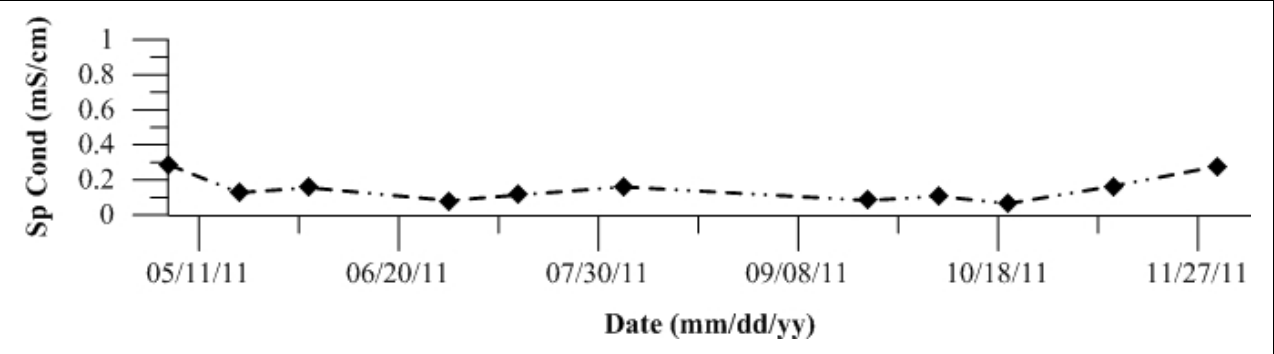


Figure 56: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

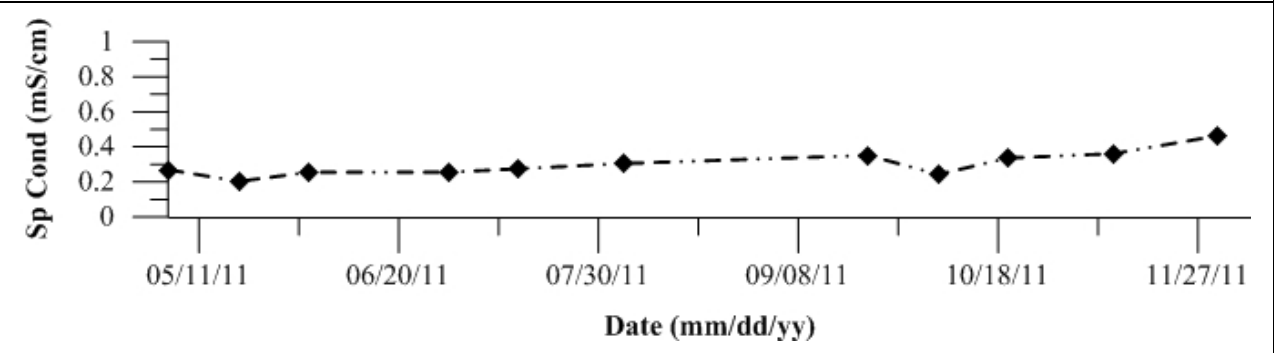


Figure 57: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

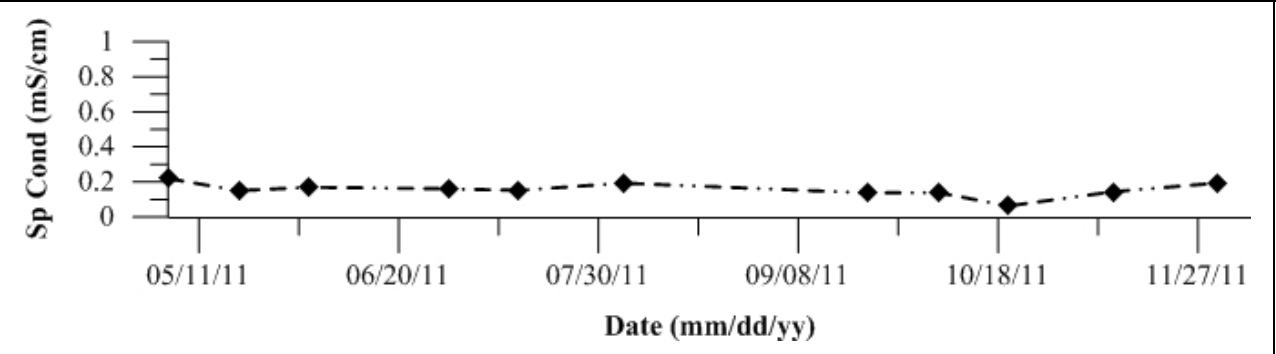


Figure 58: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

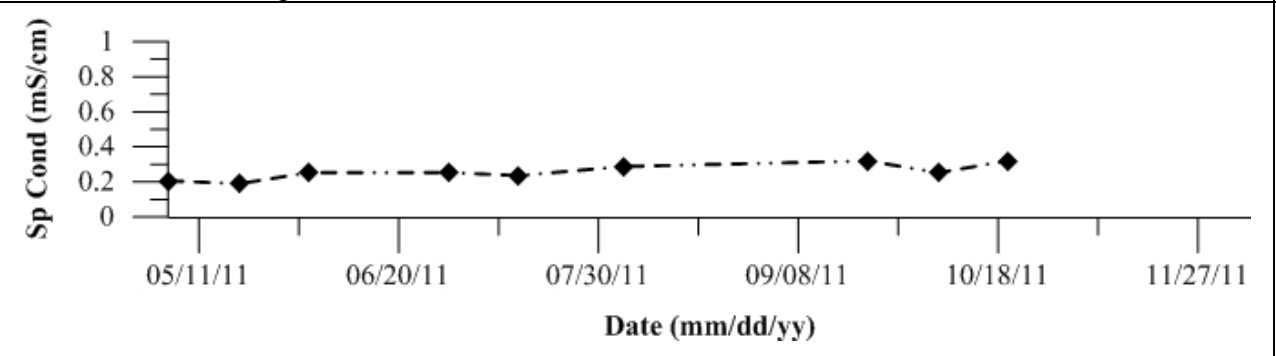


Figure 59: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

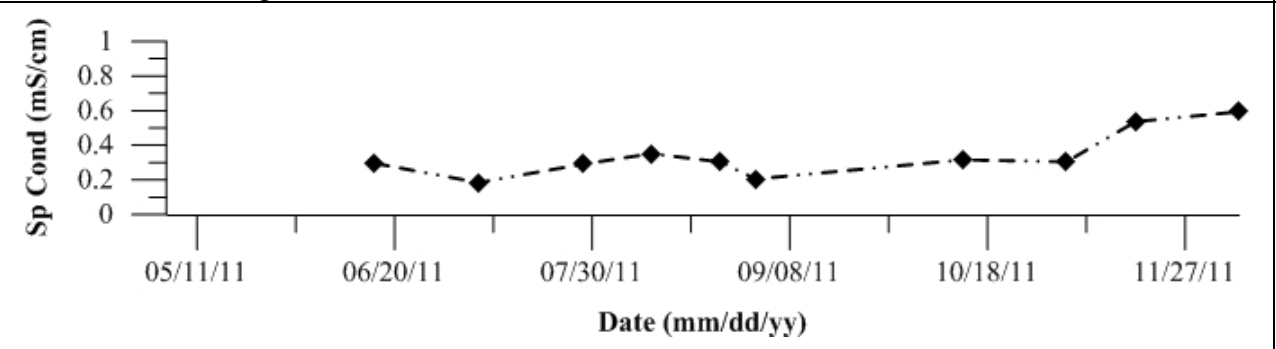


Figure 60: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

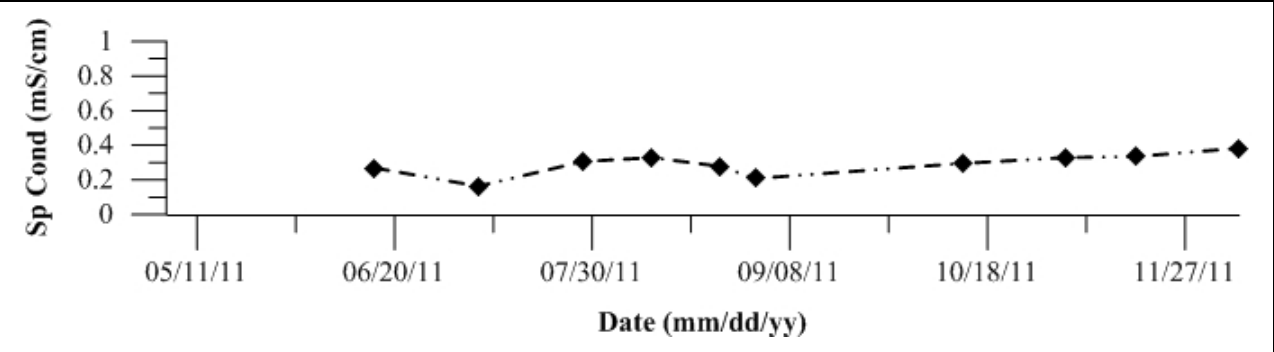


Figure 61: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

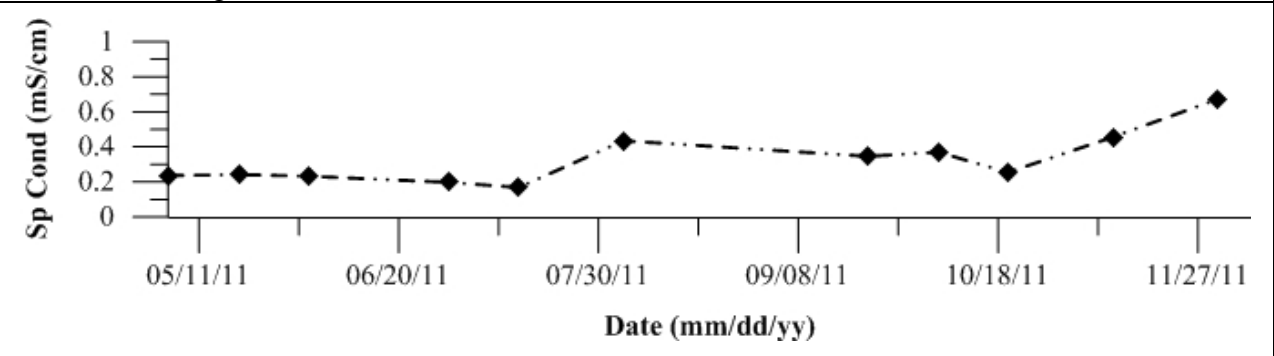


Figure 62: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

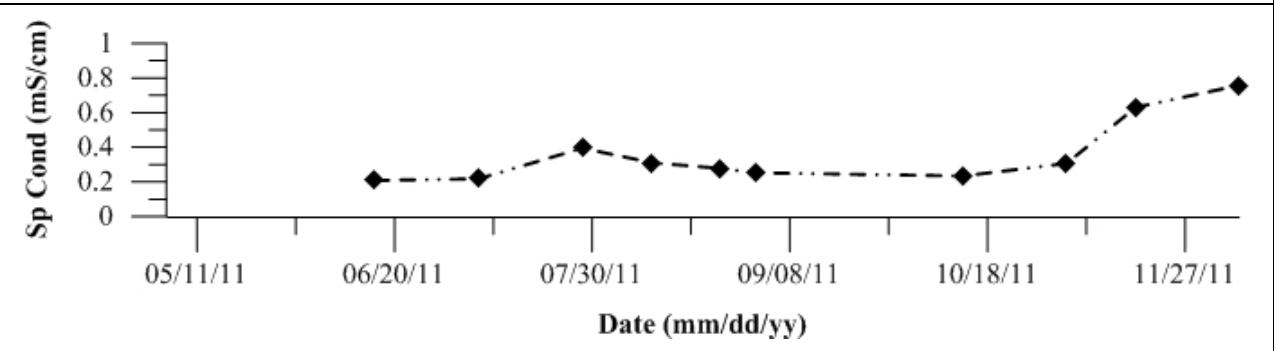


Figure 63: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

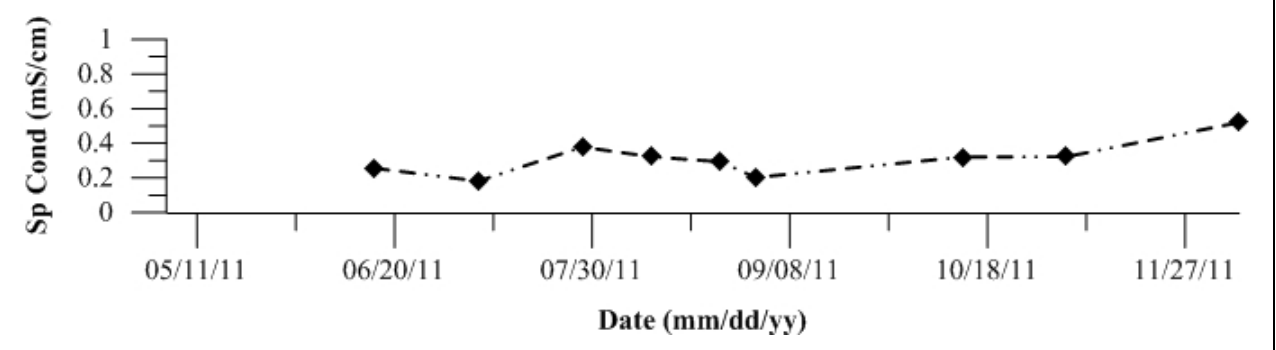
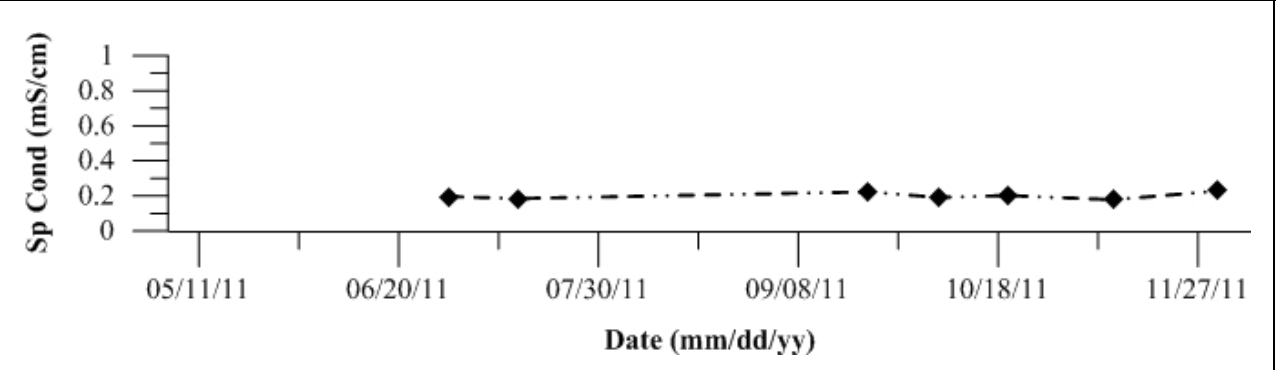


Figure 64: Grab sample specific conductance as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 65-96: Temporal plots of Total Dissolved Solids (TDS) by Site ID

Figure 65: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

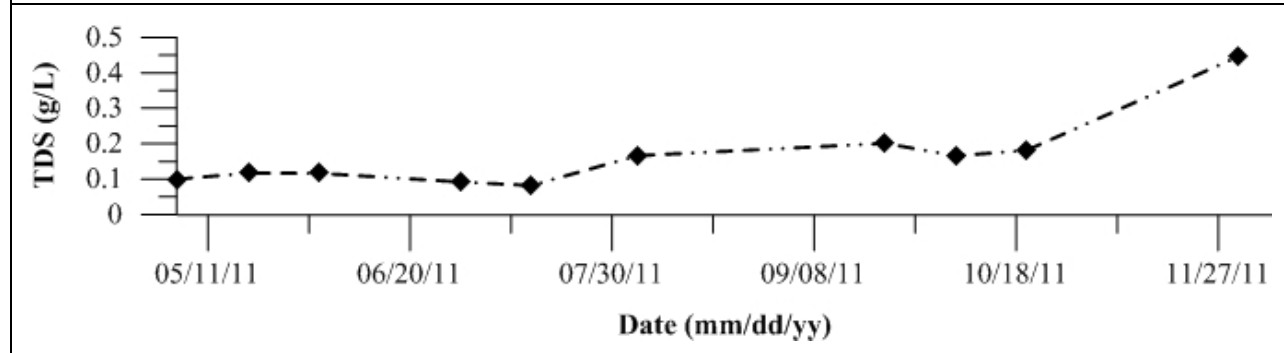


Figure 66: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

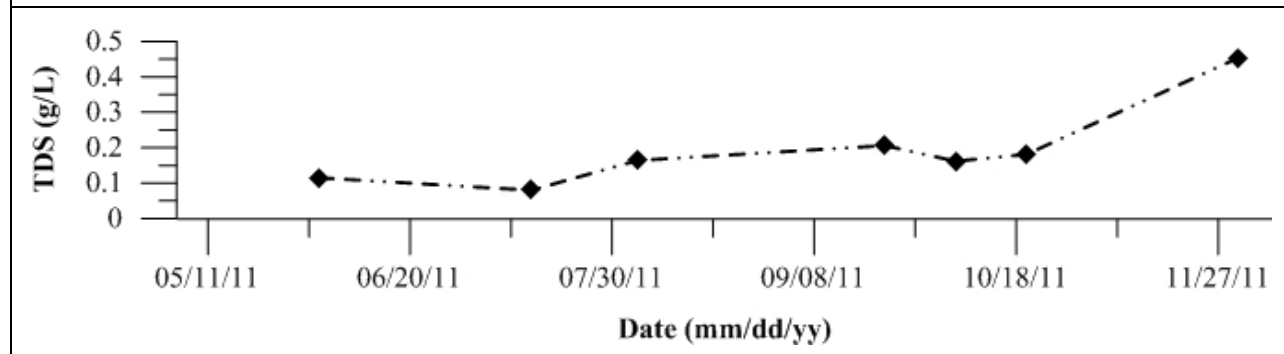


Figure 67: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

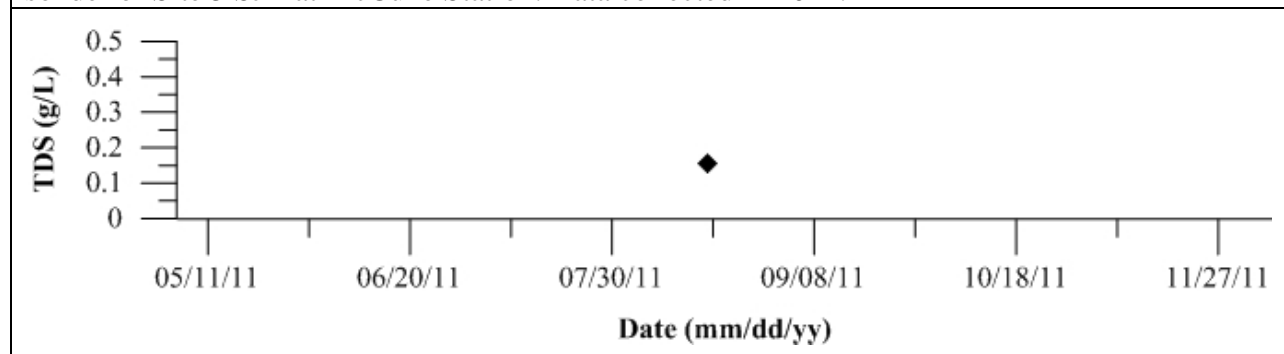


Figure 68: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

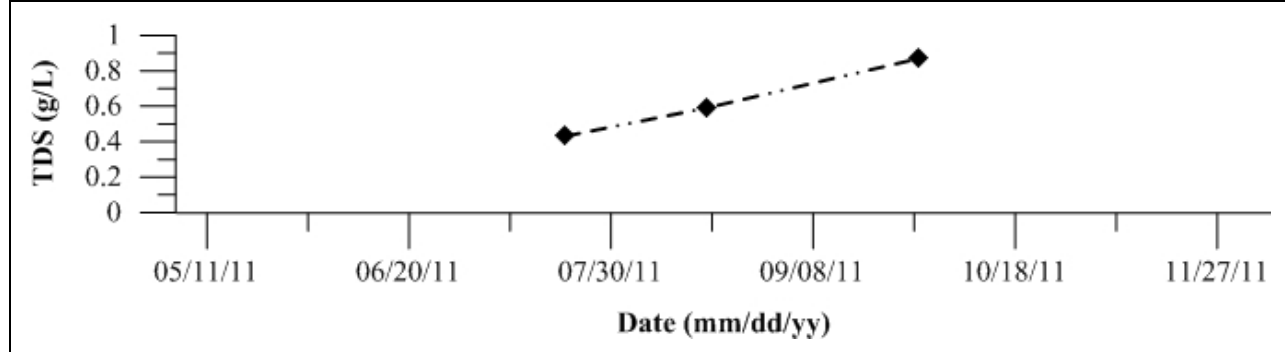


Figure 69: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

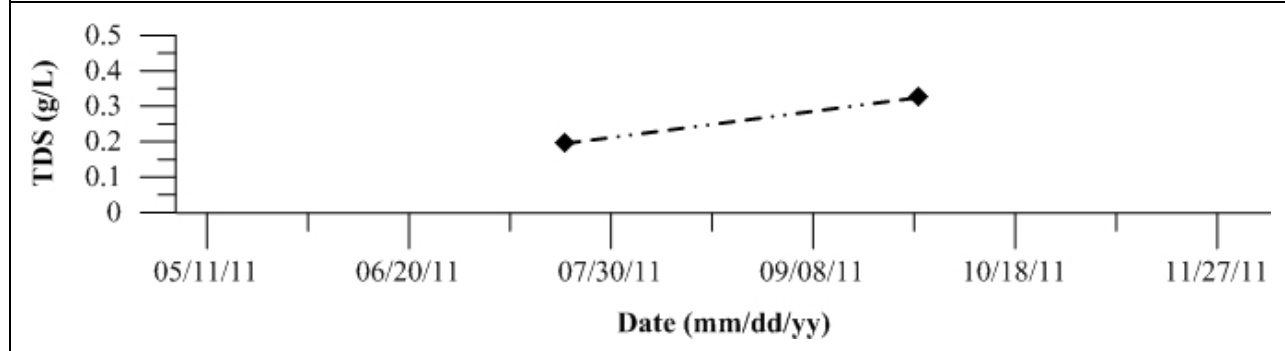


Figure 70: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

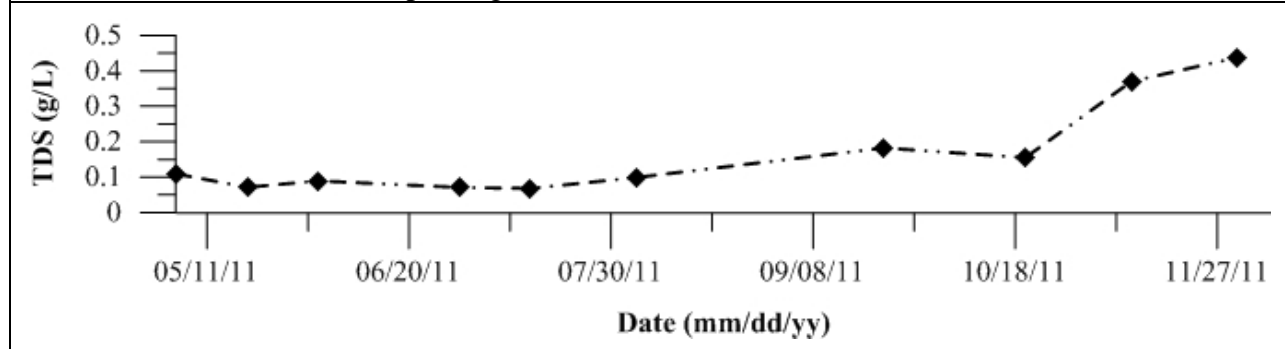


Figure 71: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

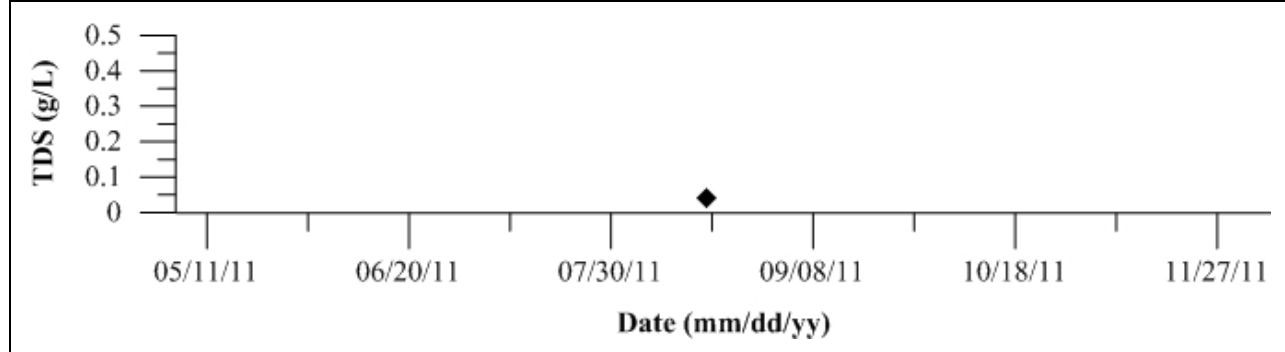


Figure 72: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

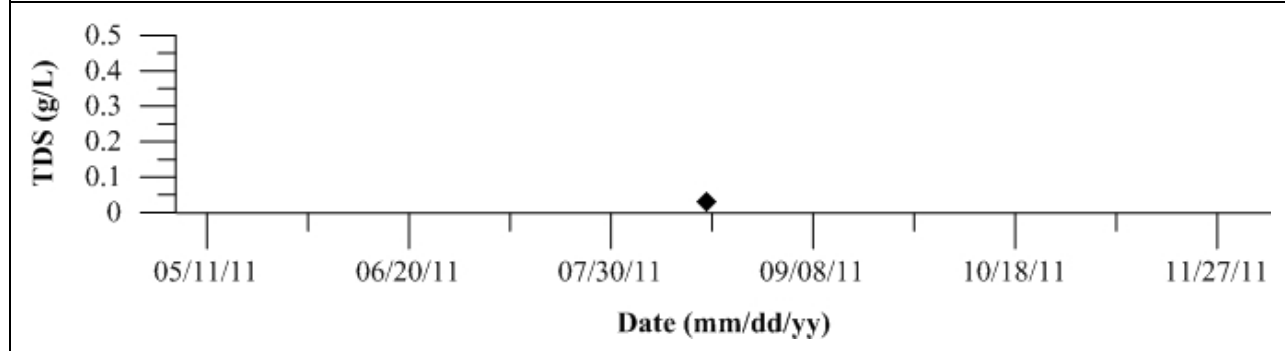


Figure 73: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

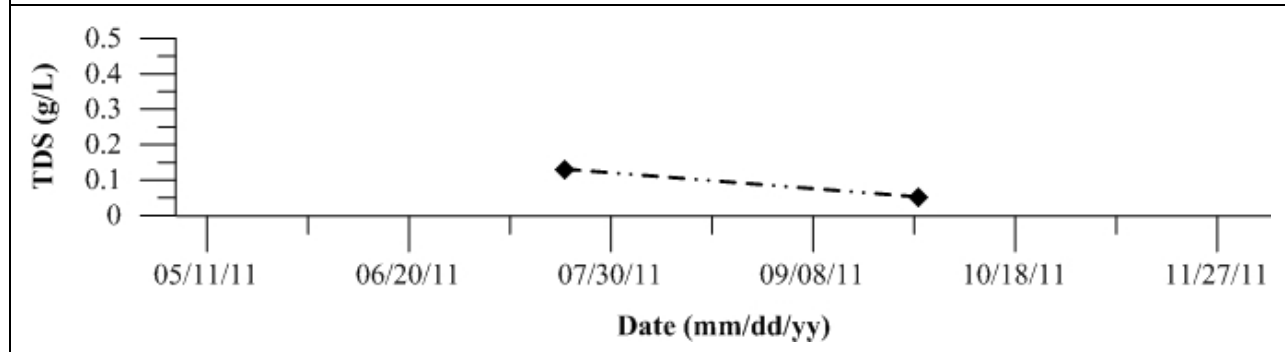


Figure 74: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

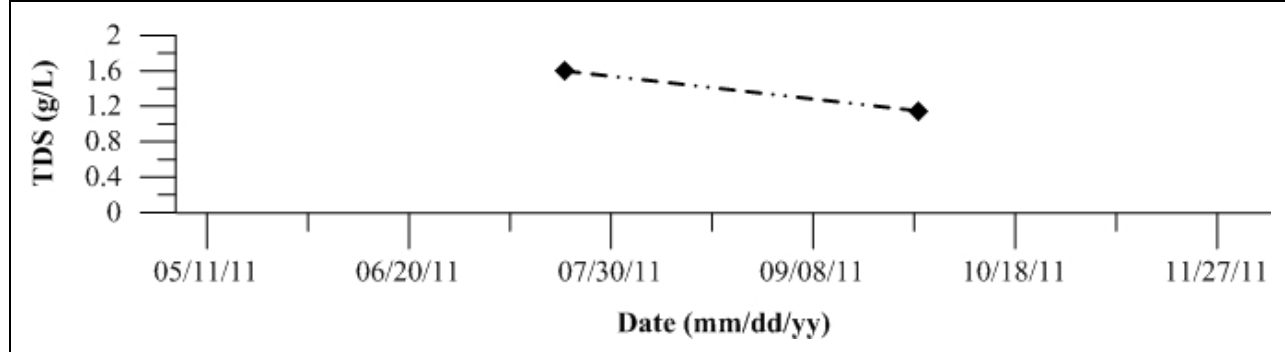


Figure 75: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

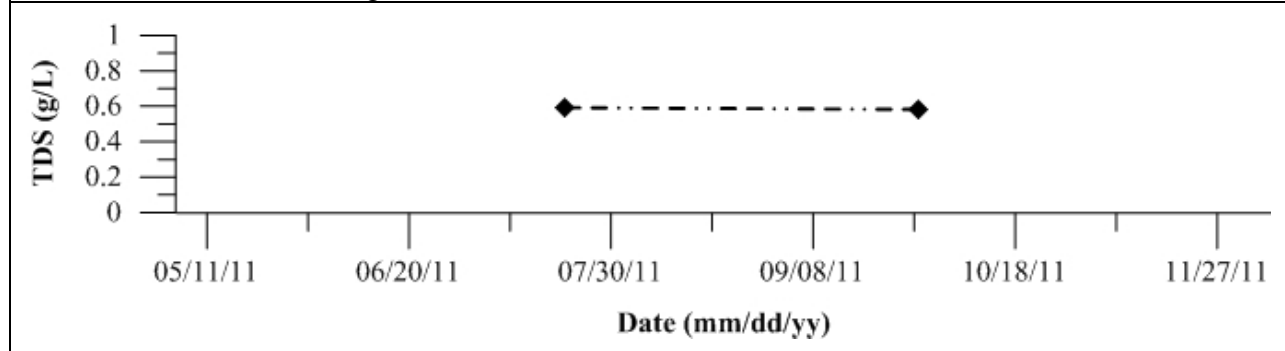


Figure 76: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

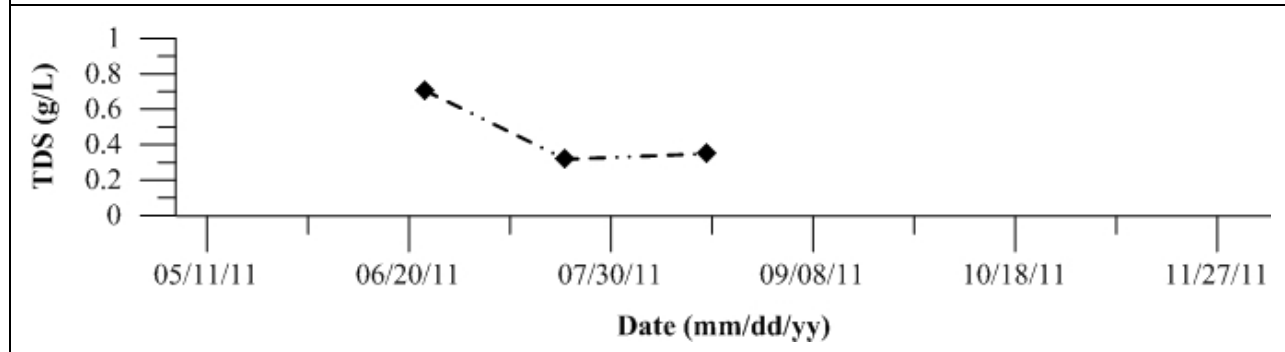


Figure 77: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

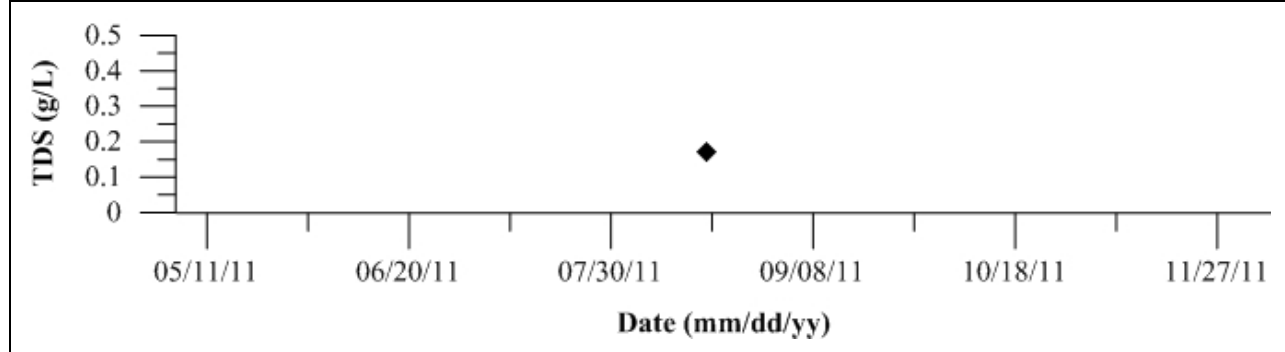


Figure 78: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

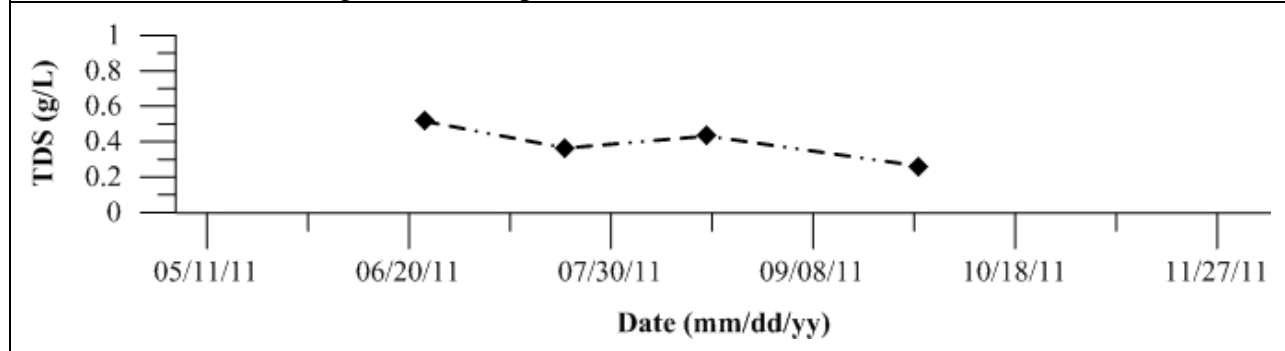


Figure 79: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

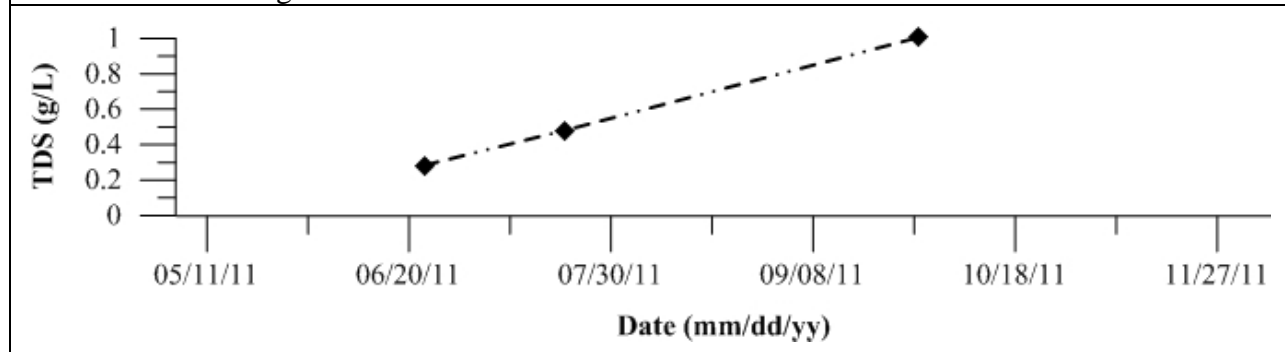


Figure 80: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

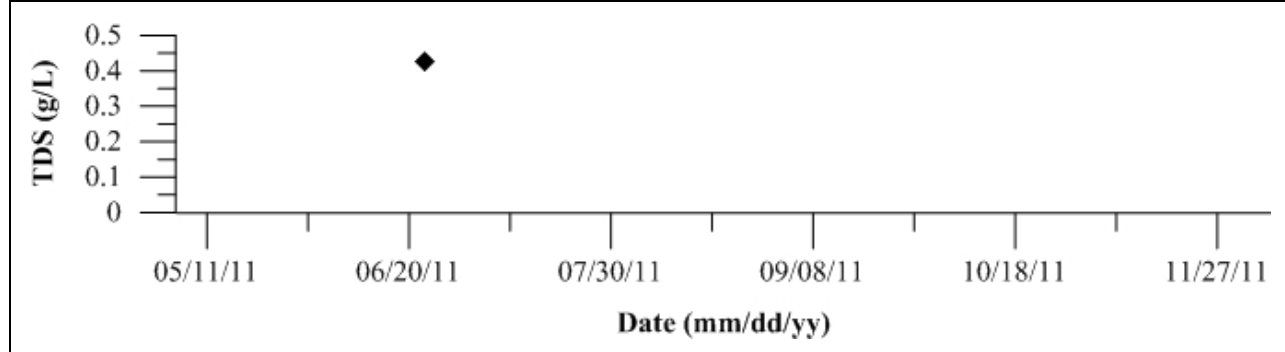


Figure 81: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

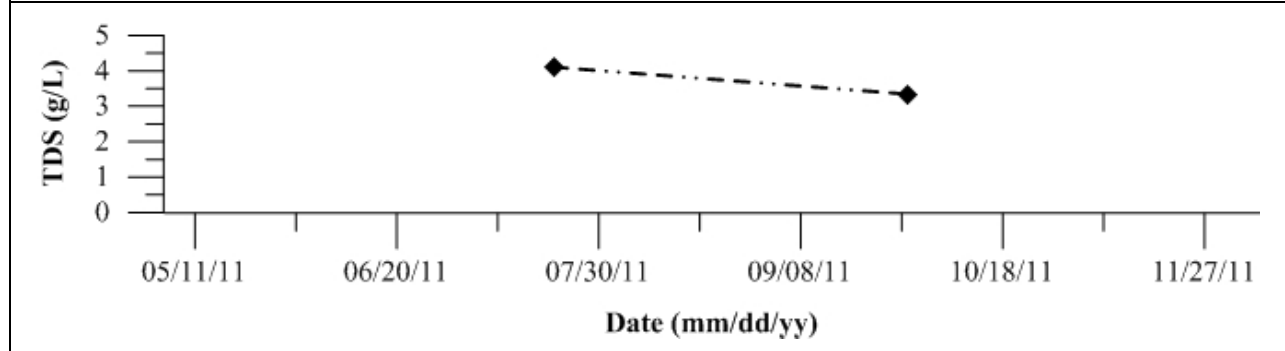


Figure 82: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

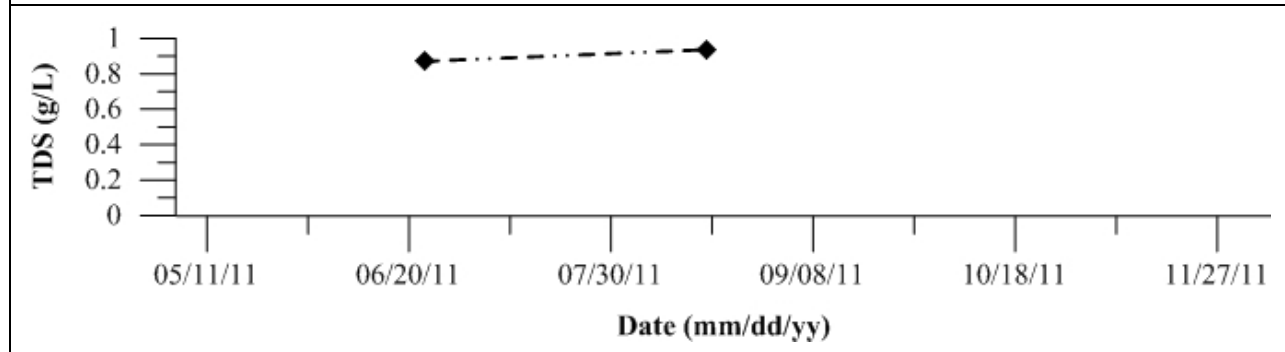


Figure 83: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

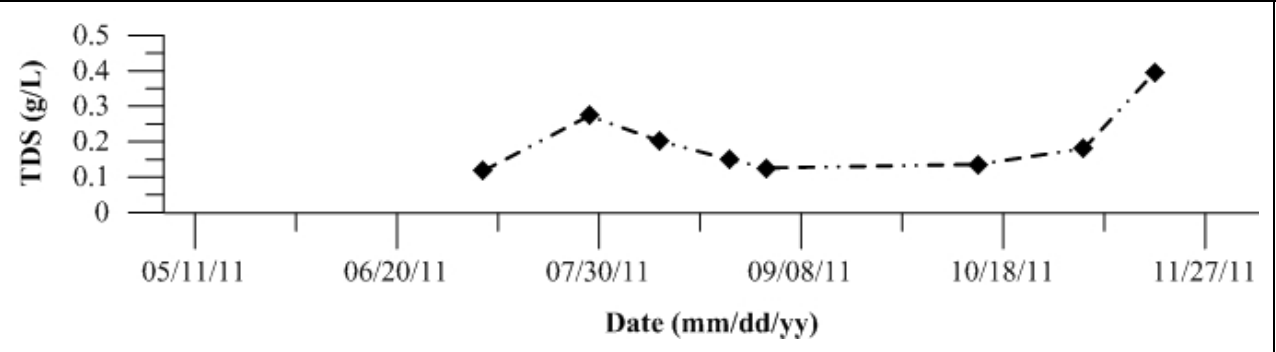


Figure 84: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

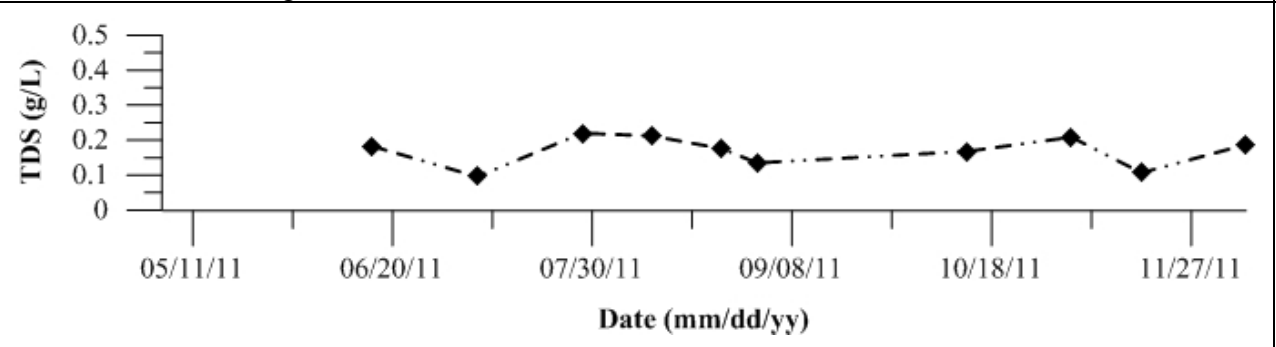


Figure 85: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

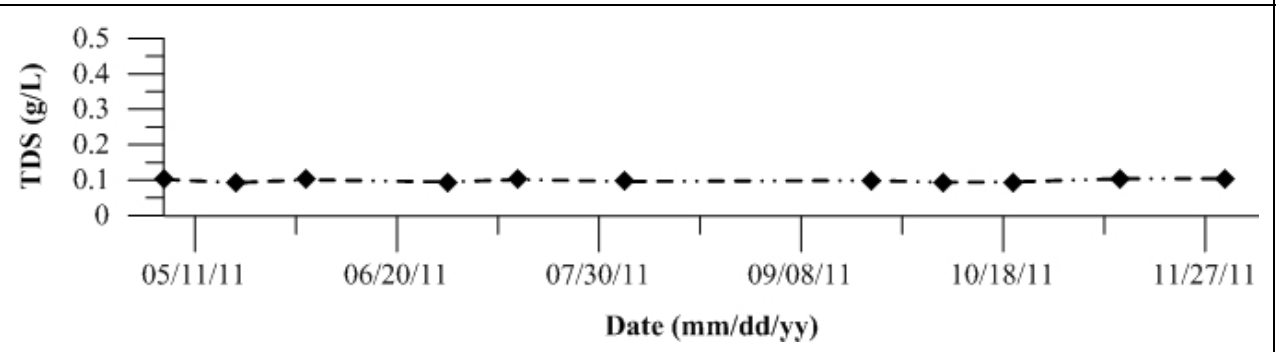


Figure 86: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

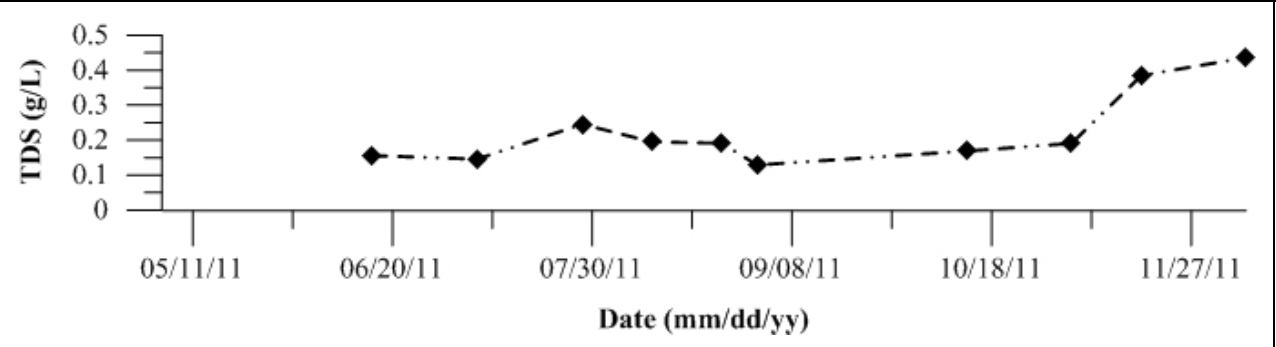


Figure 87: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

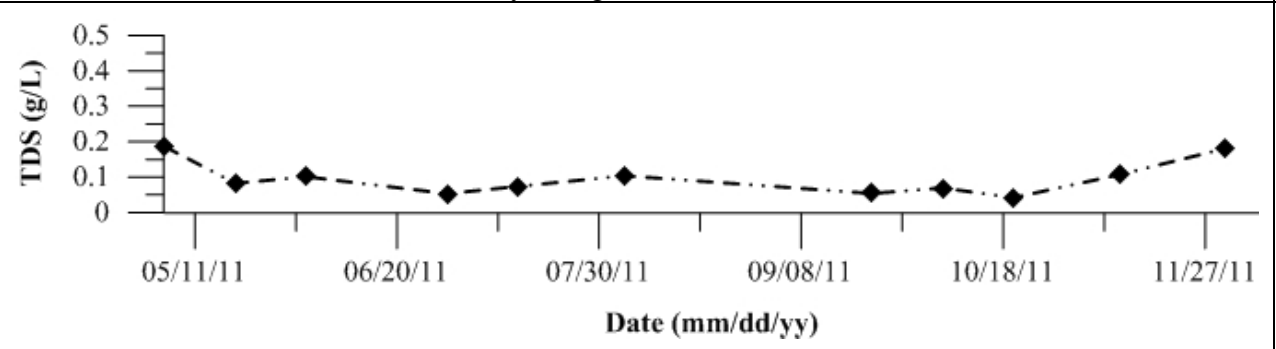


Figure 88: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

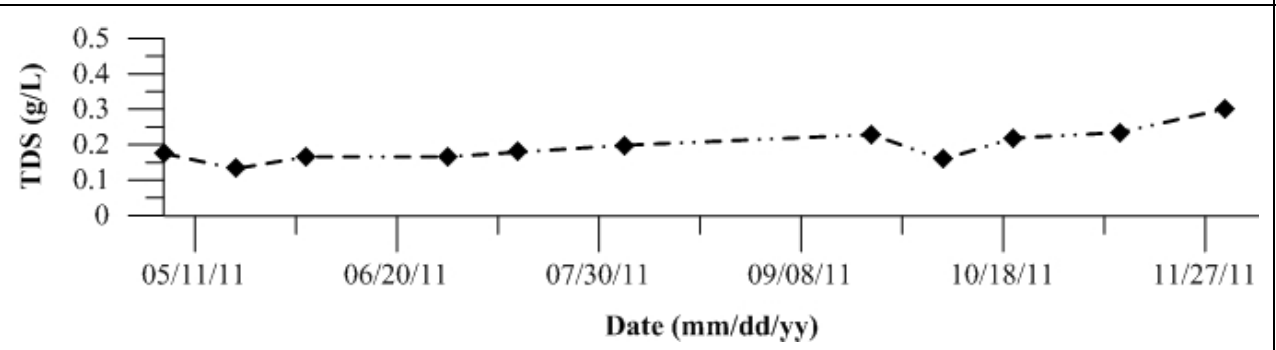


Figure 89: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

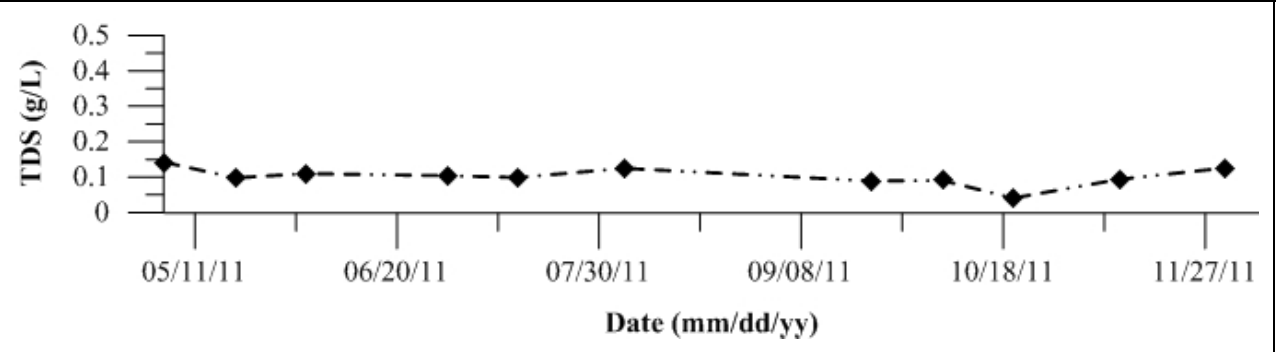


Figure 90: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

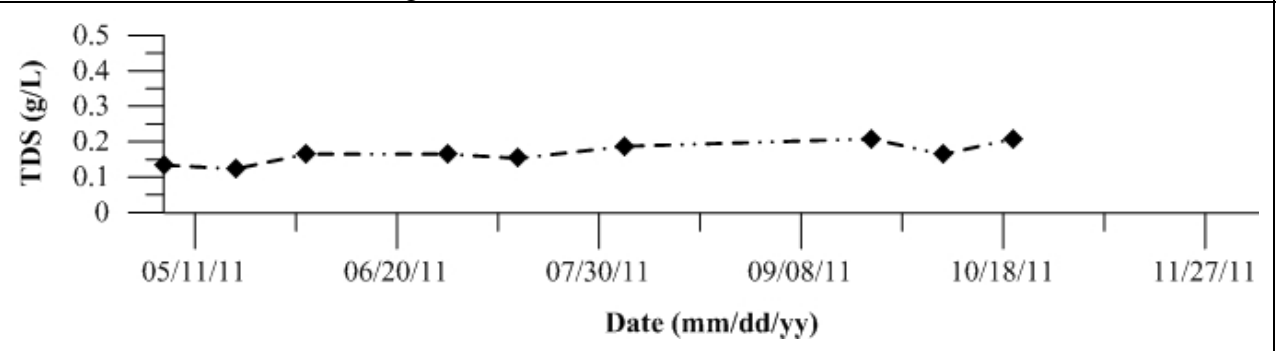


Figure 91: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

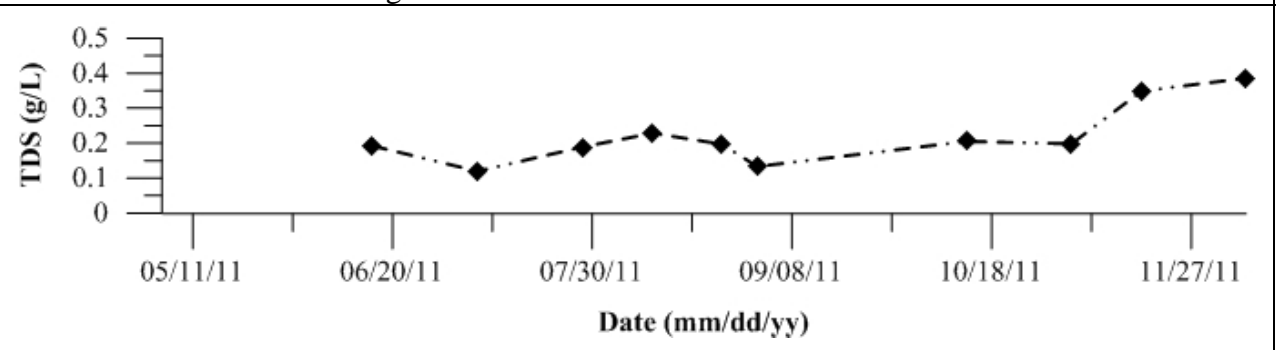


Figure 92: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

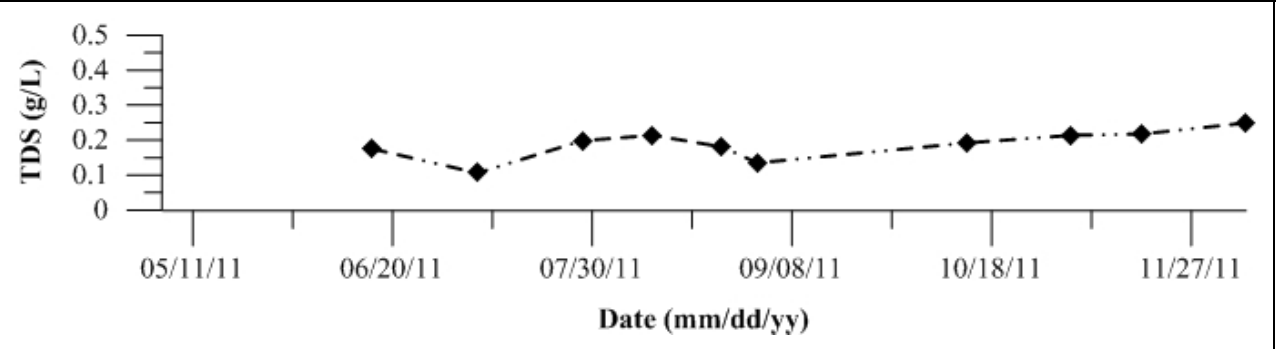


Figure 93: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

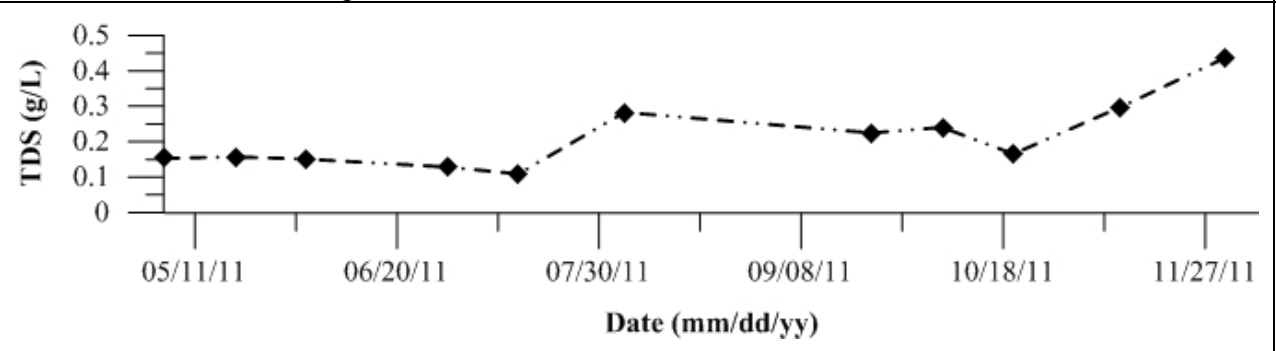


Figure 94: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

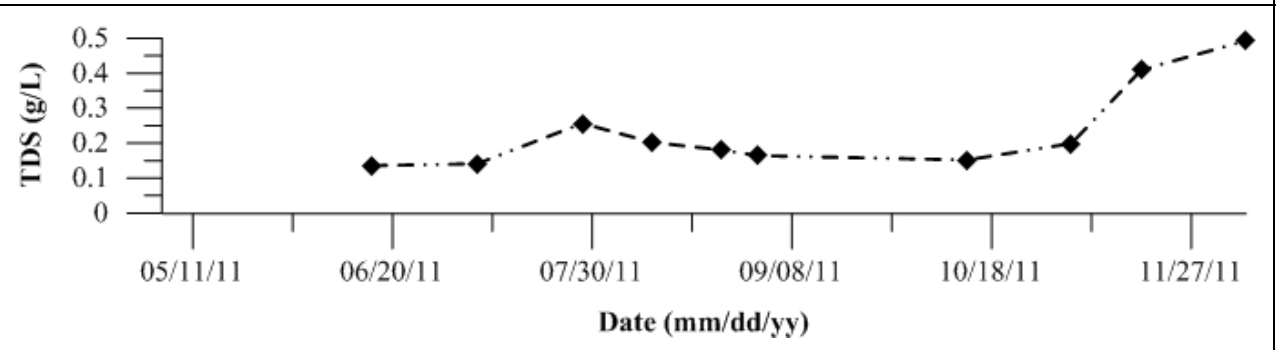


Figure 95: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

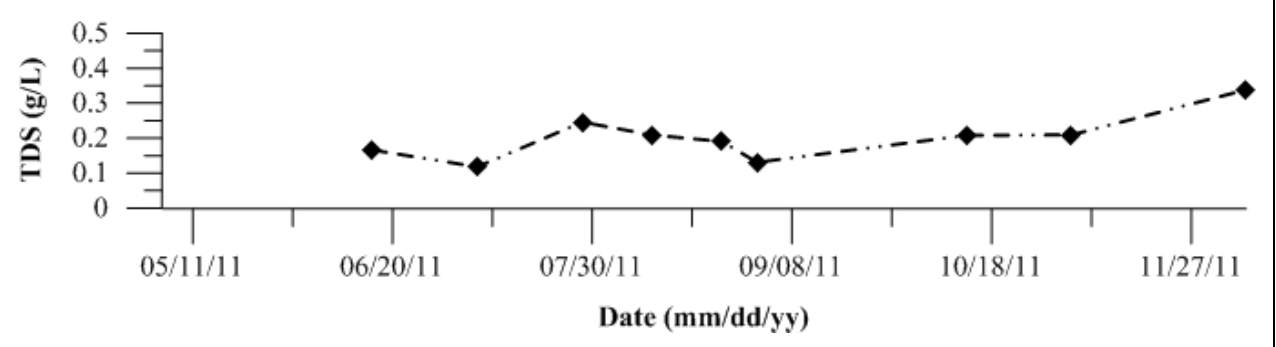
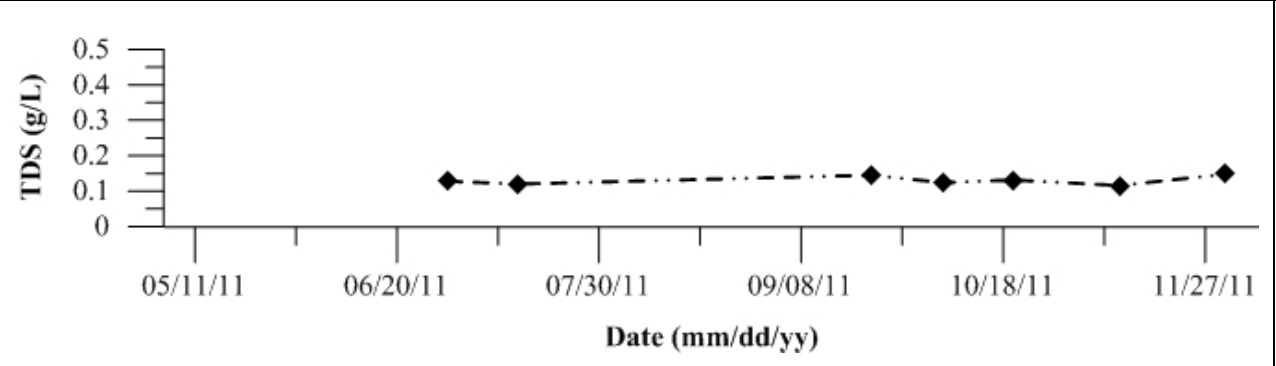


Figure 96: Grab sample Total Dissolved Solids (TDS) as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 97-128: Temporal plots of Dissolved Oxygen (DO) percentage of saturation as determined by sonde measurements by Site ID

Figure 97: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

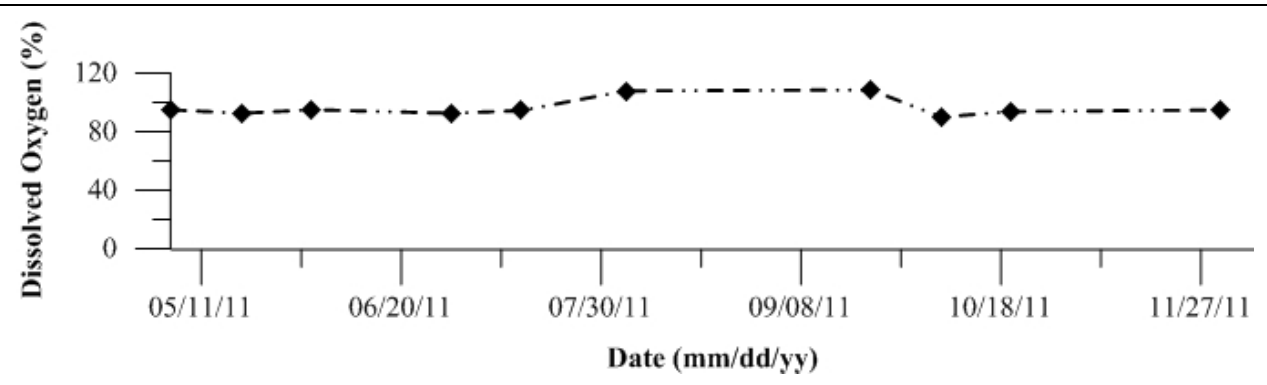


Figure 98: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

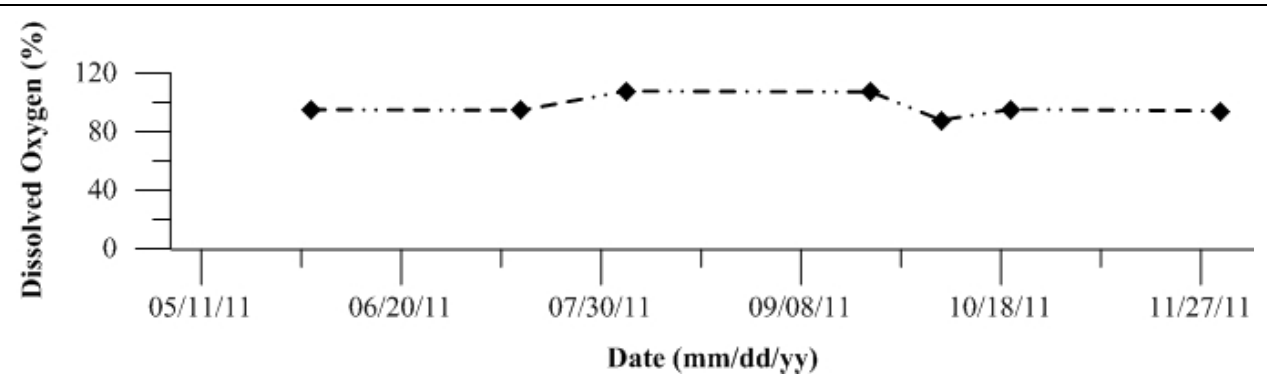


Figure 99: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

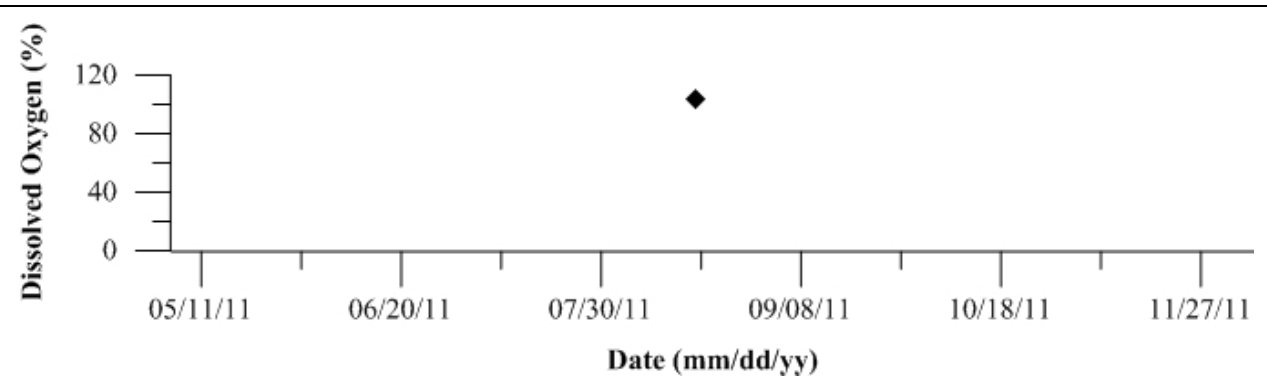


Figure 100: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

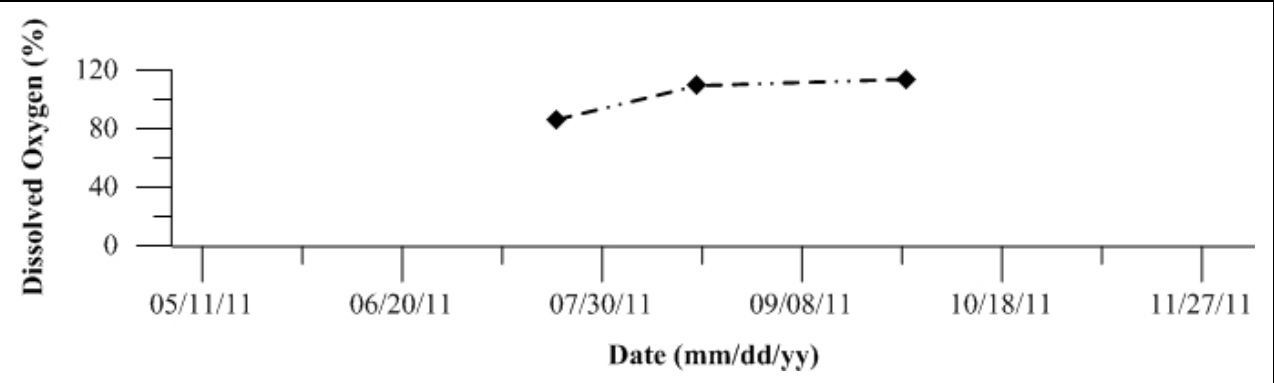


Figure 101: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

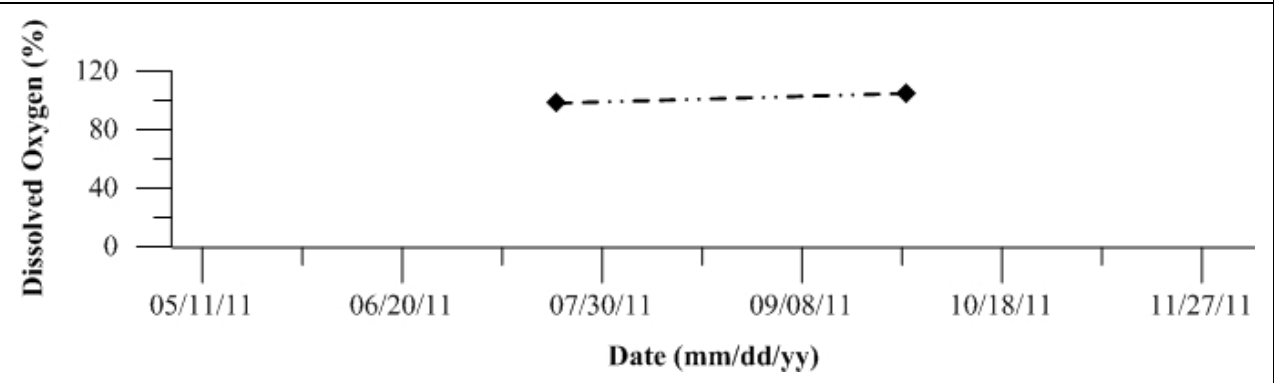


Figure 102: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

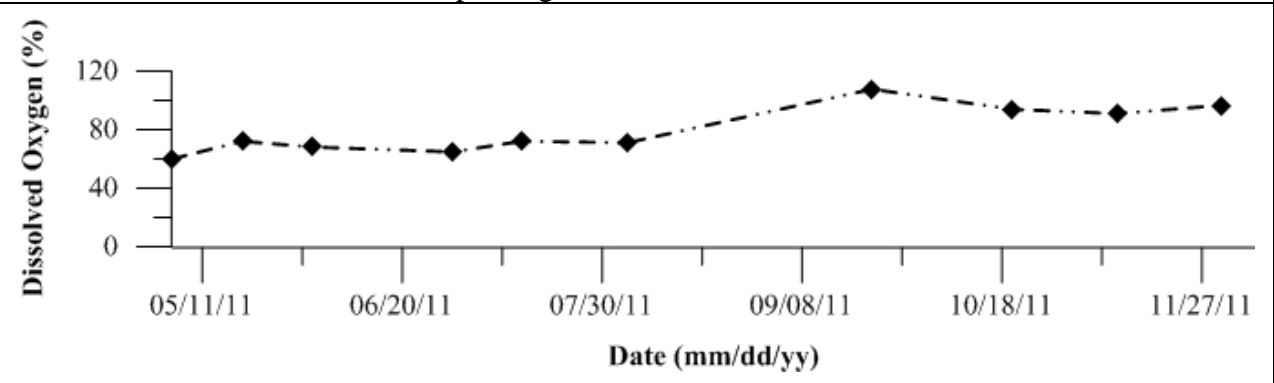


Figure 103: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

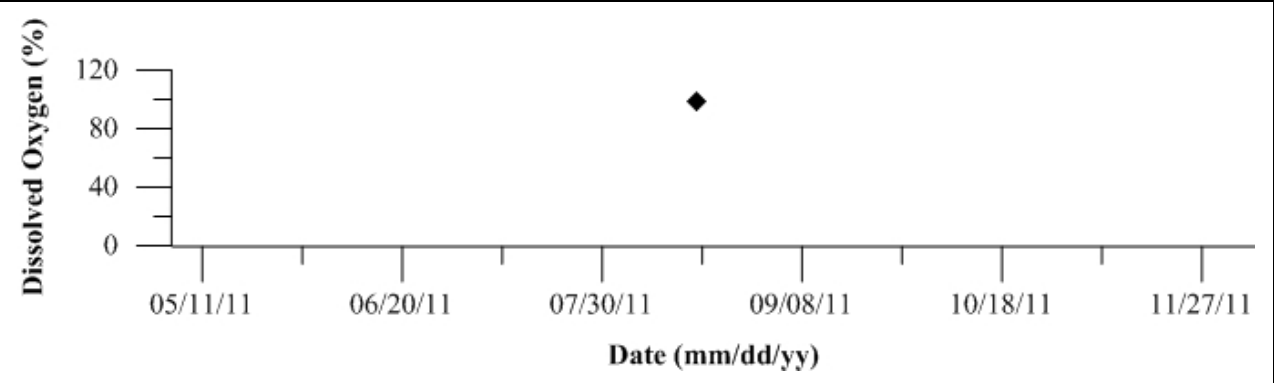


Figure 104: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

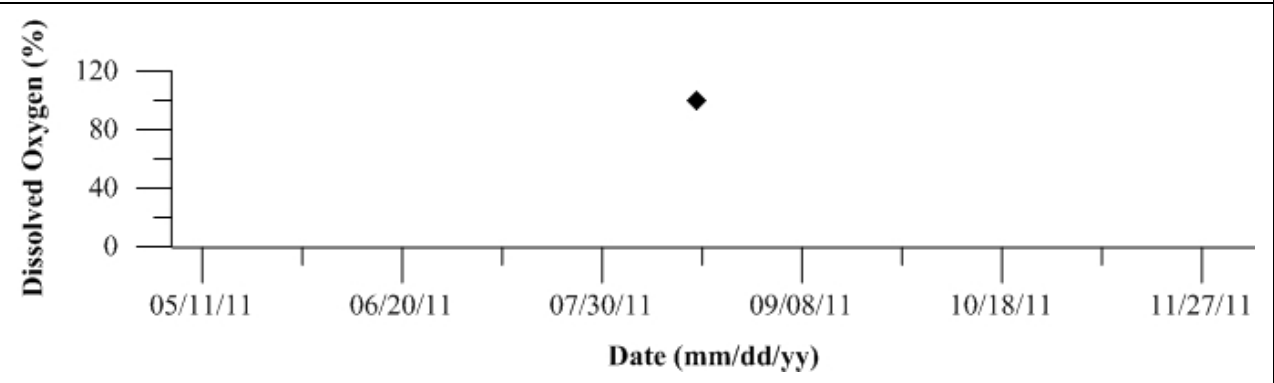


Figure 105: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

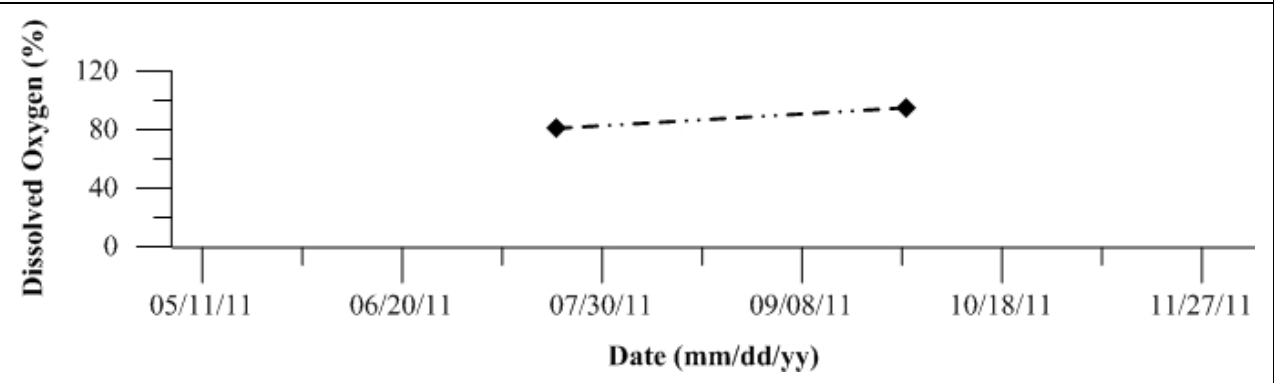


Figure 106: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

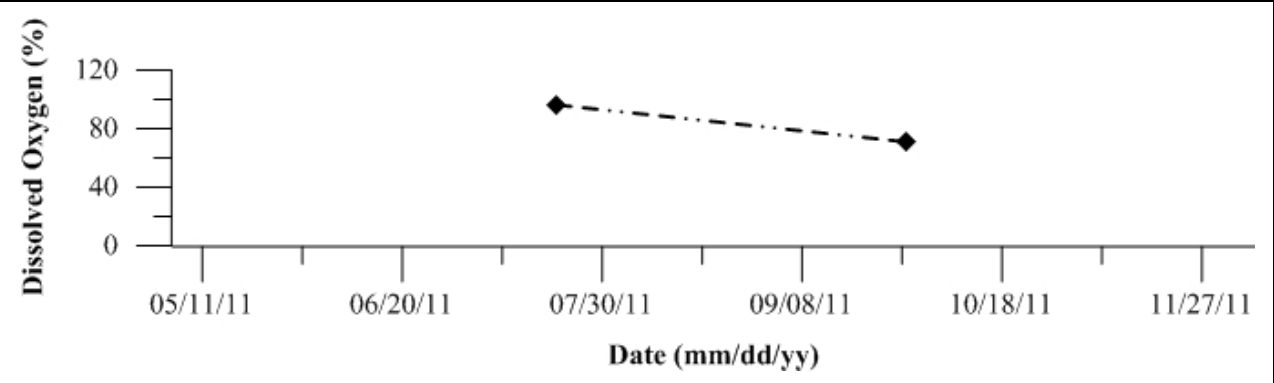


Figure 107: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

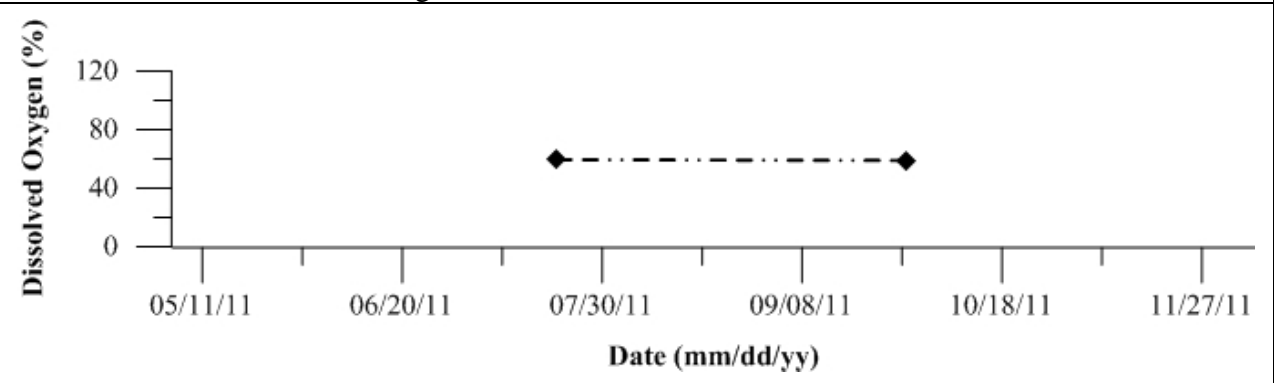


Figure 108: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

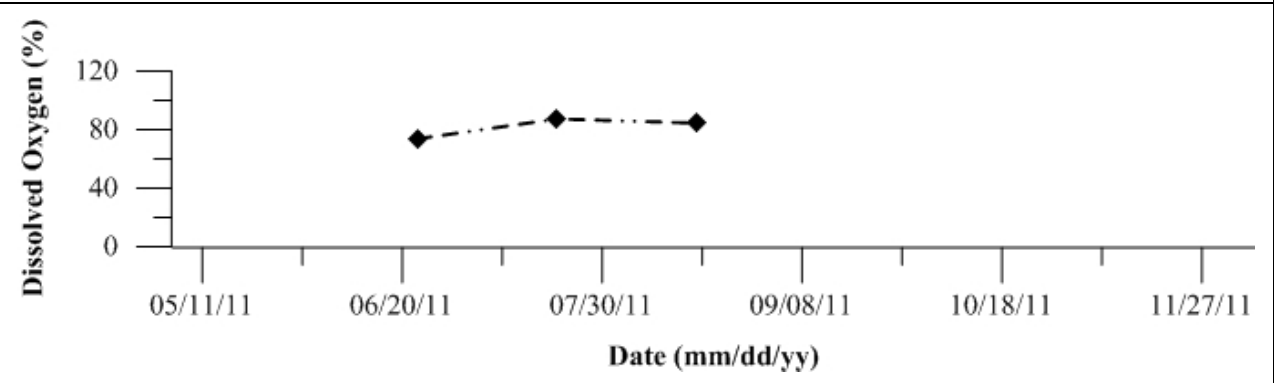


Figure 109: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River

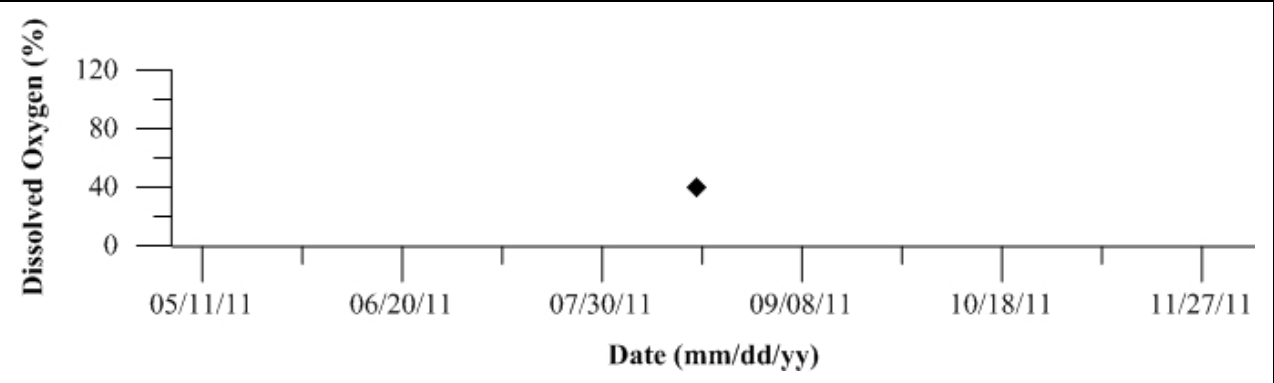


Figure 110: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

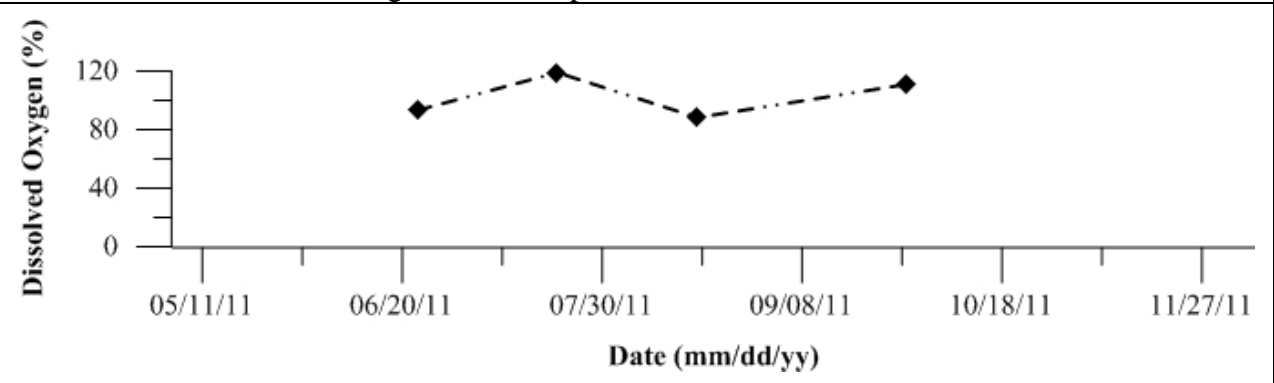


Figure 111: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

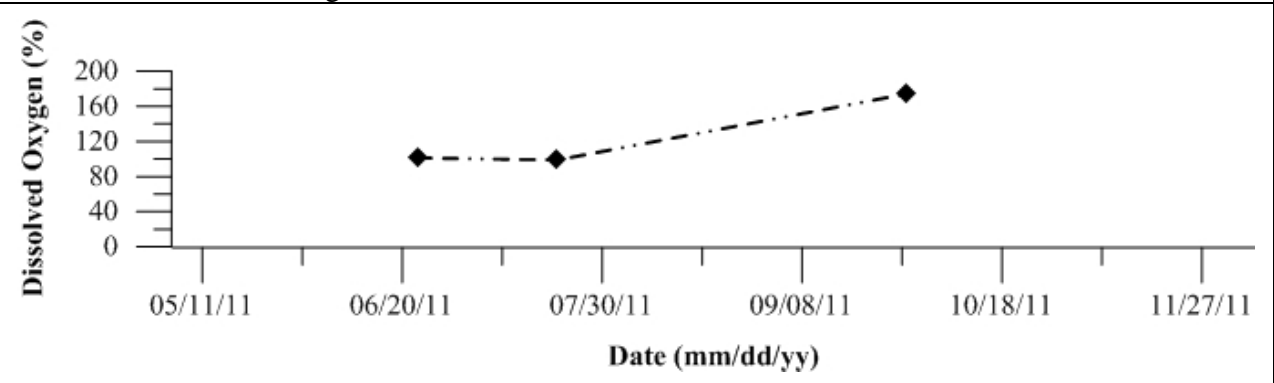


Figure 112: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

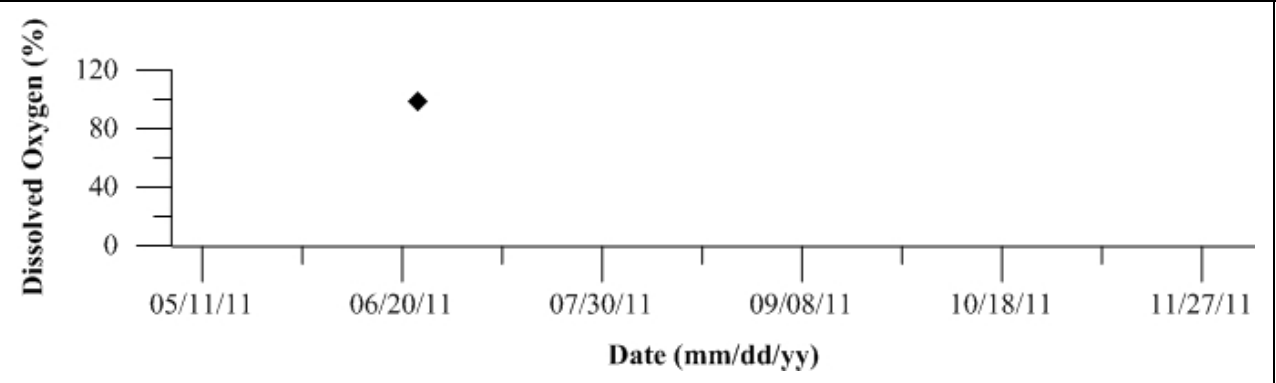


Figure 113: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

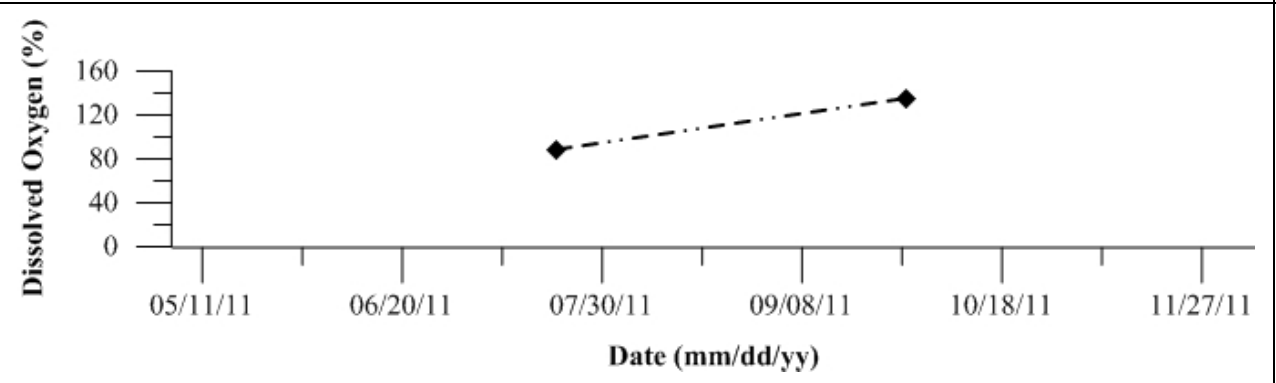


Figure 114: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

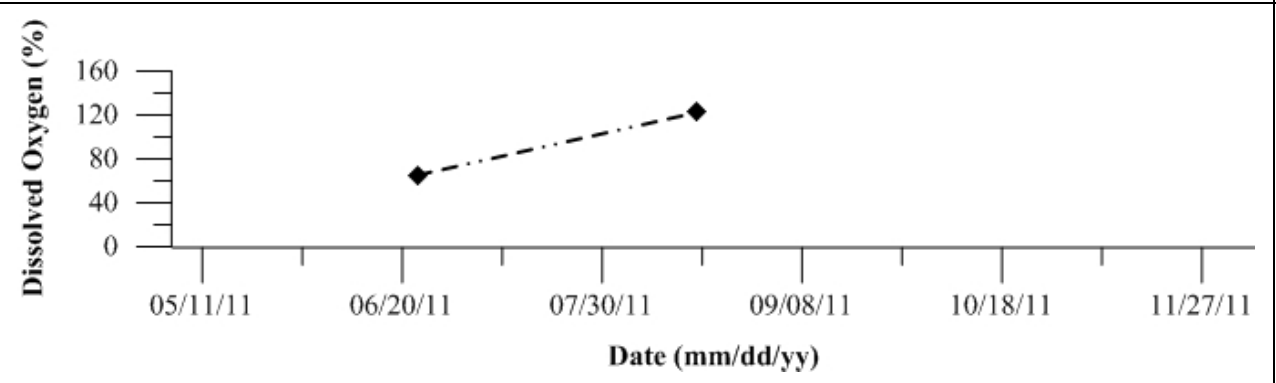


Figure 115: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

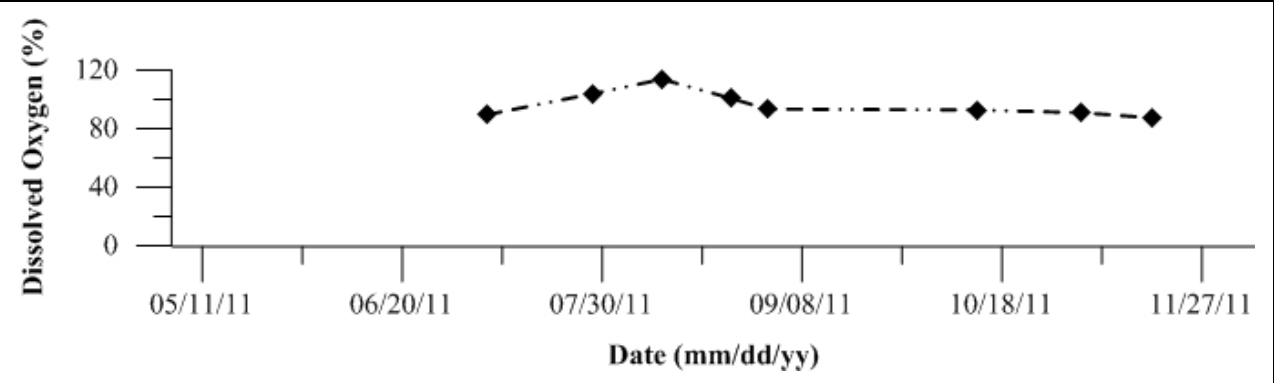


Figure 116: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

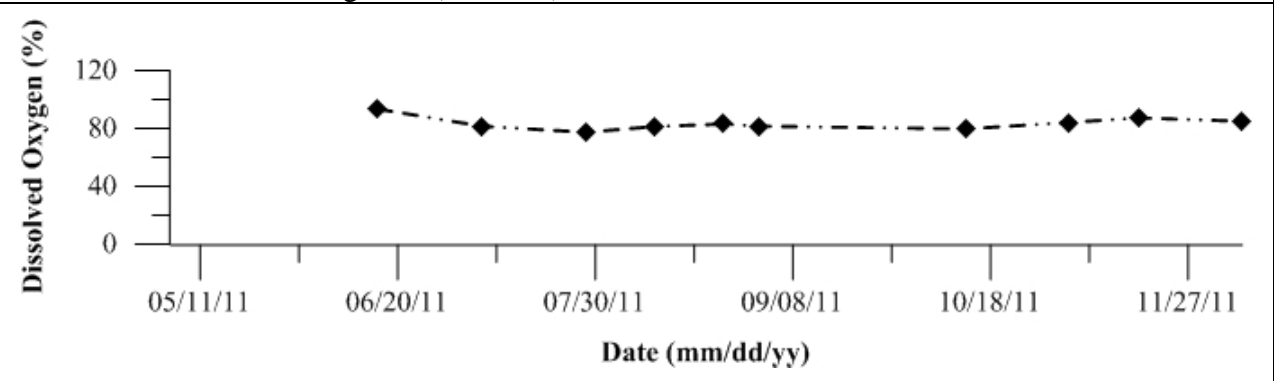


Figure 117: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

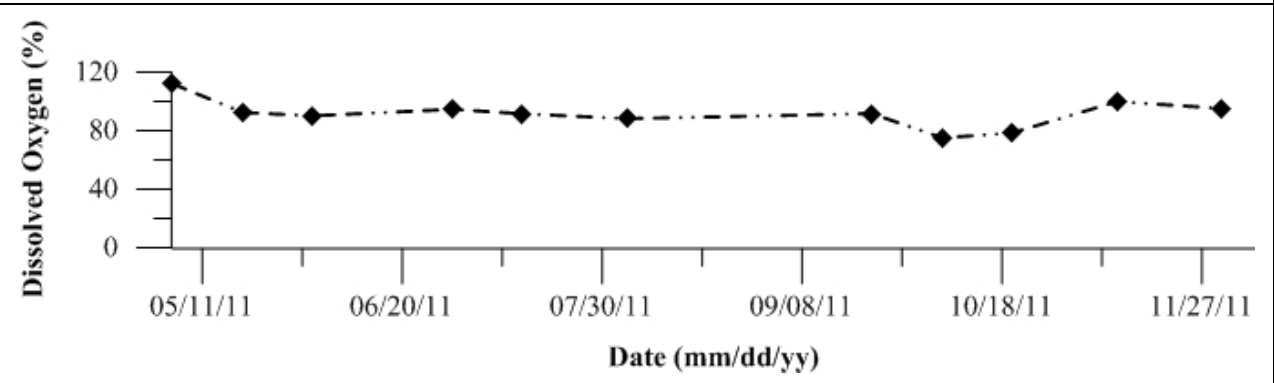


Figure 118: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

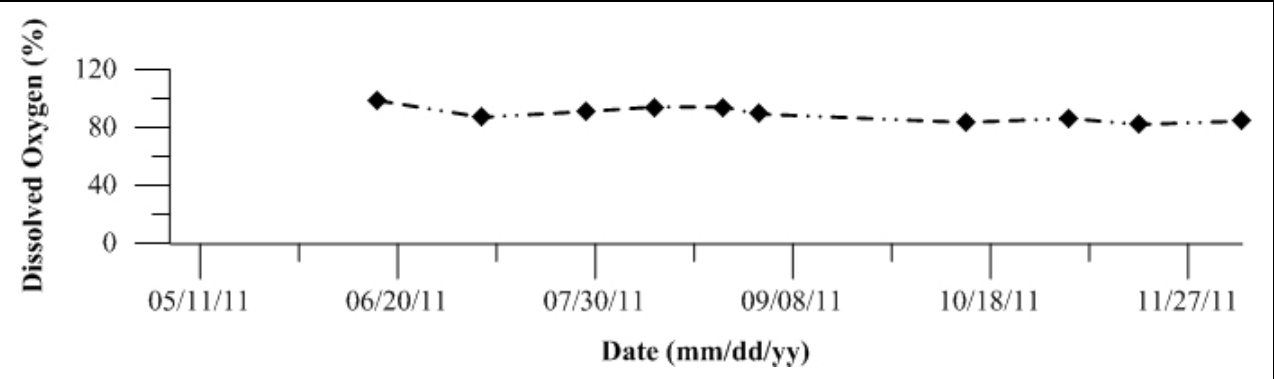


Figure 119: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

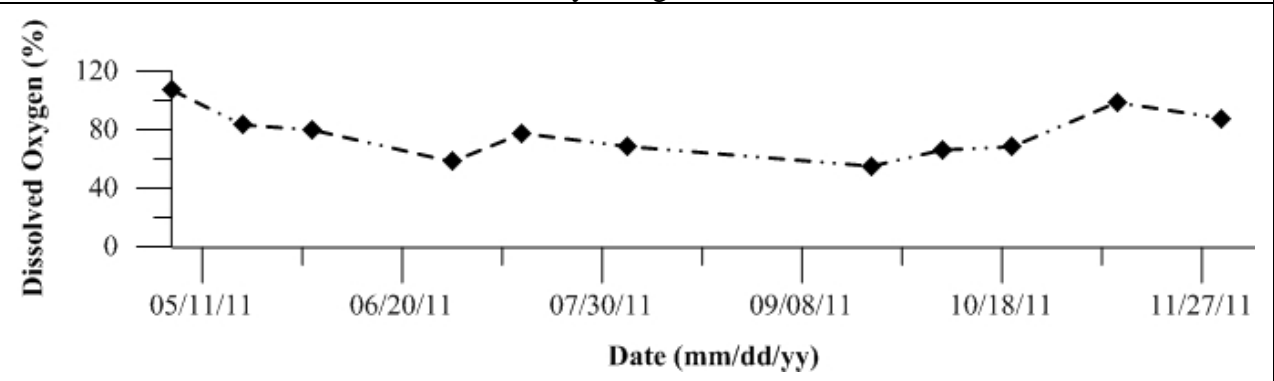


Figure 120: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

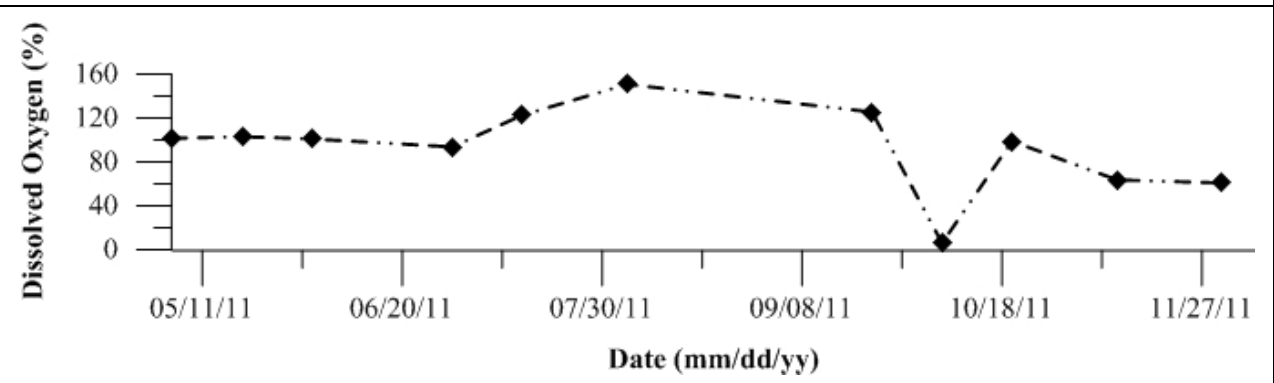


Figure 121: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

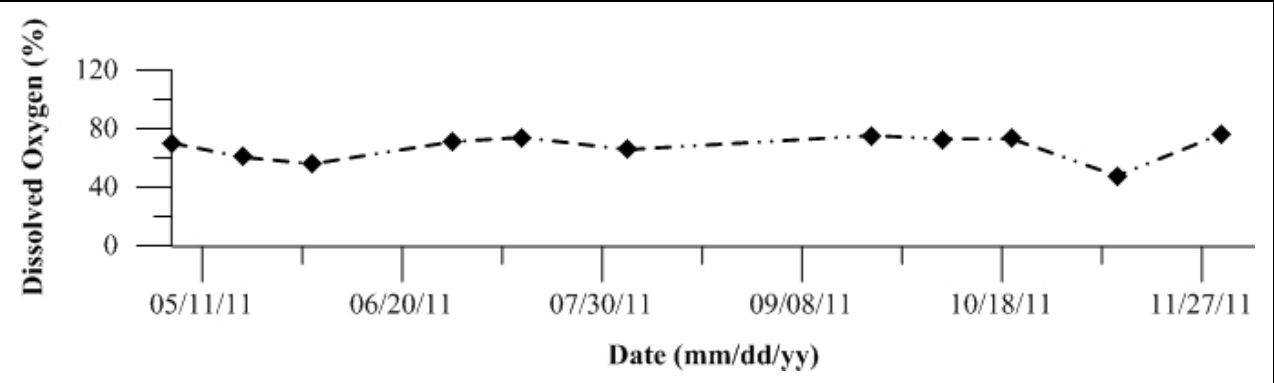


Figure 122: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

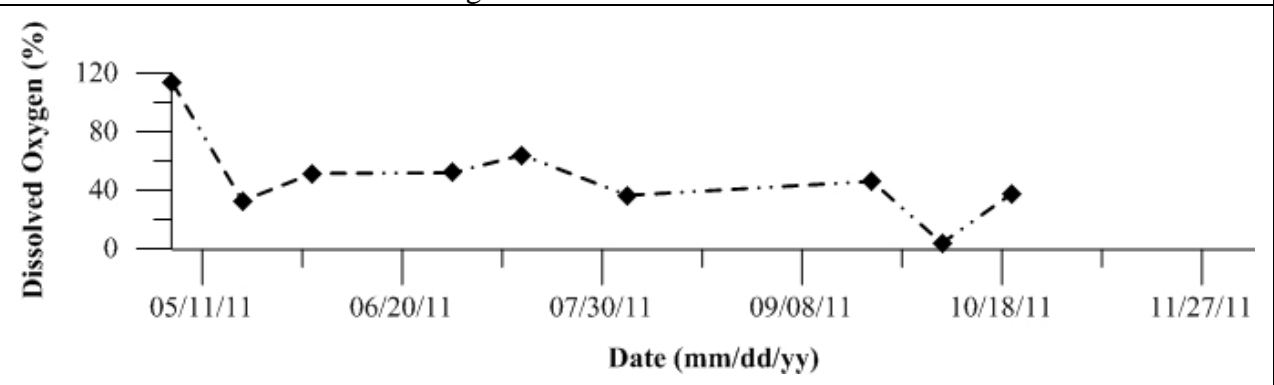


Figure 123: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

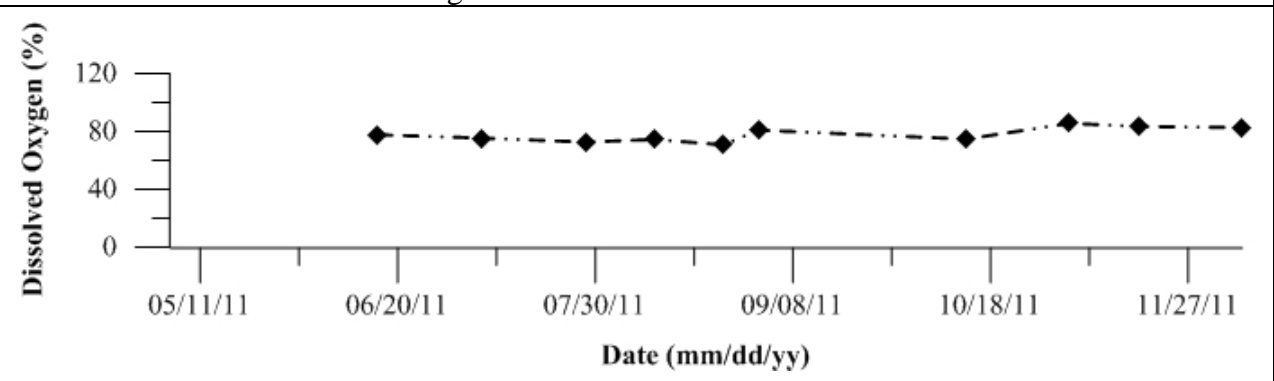


Figure 124: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

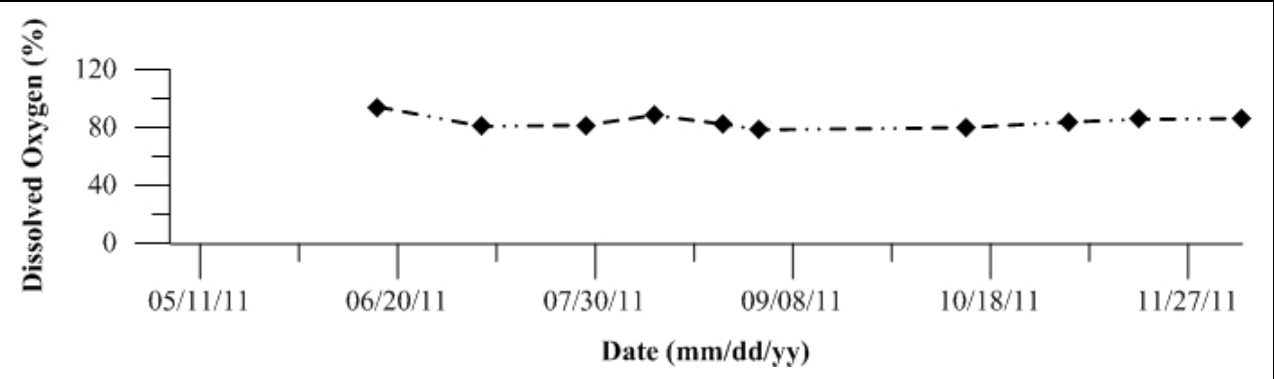


Figure 125: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

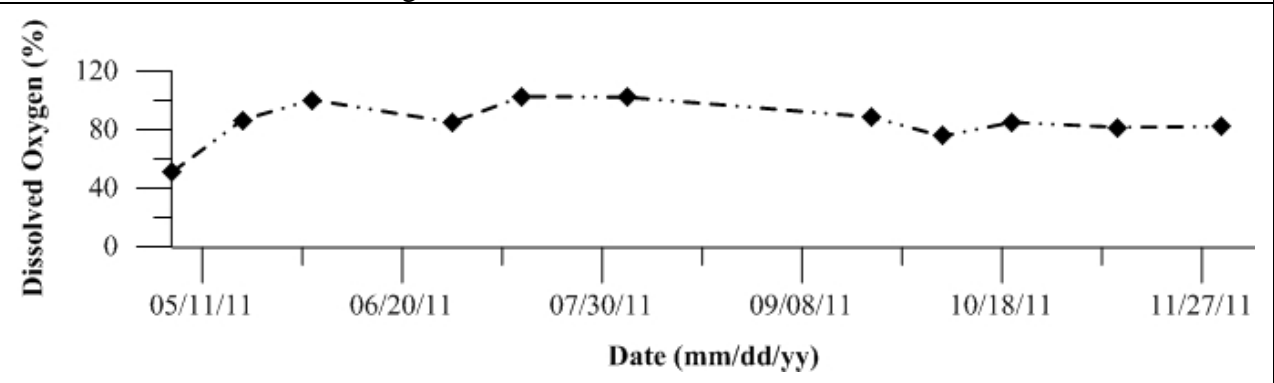


Figure 126: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

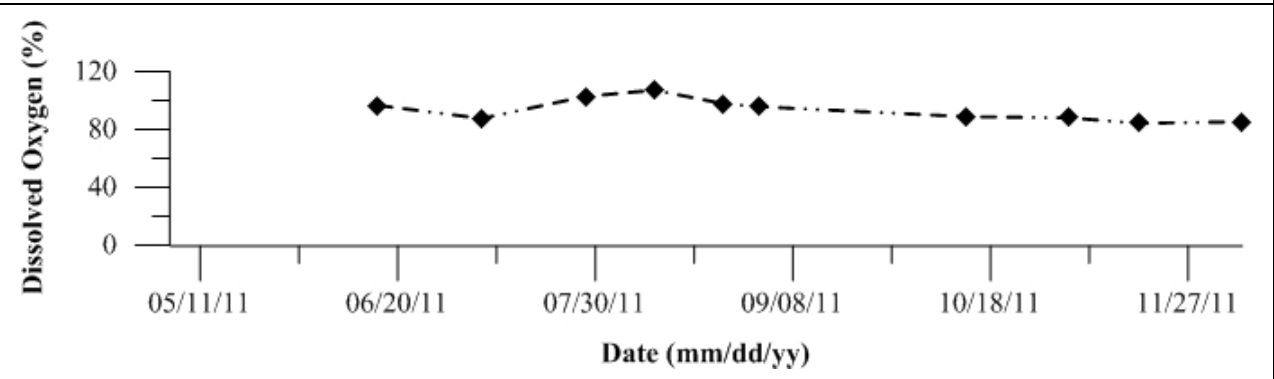


Figure 127: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

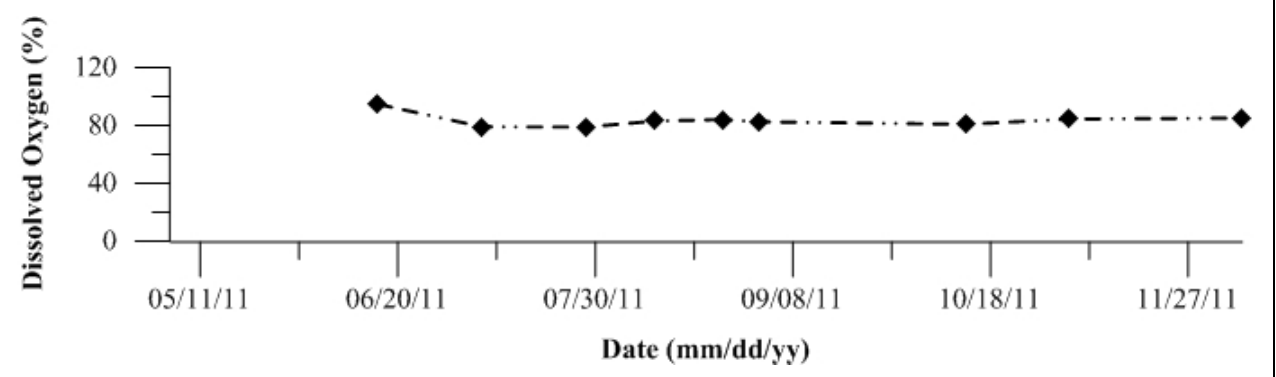
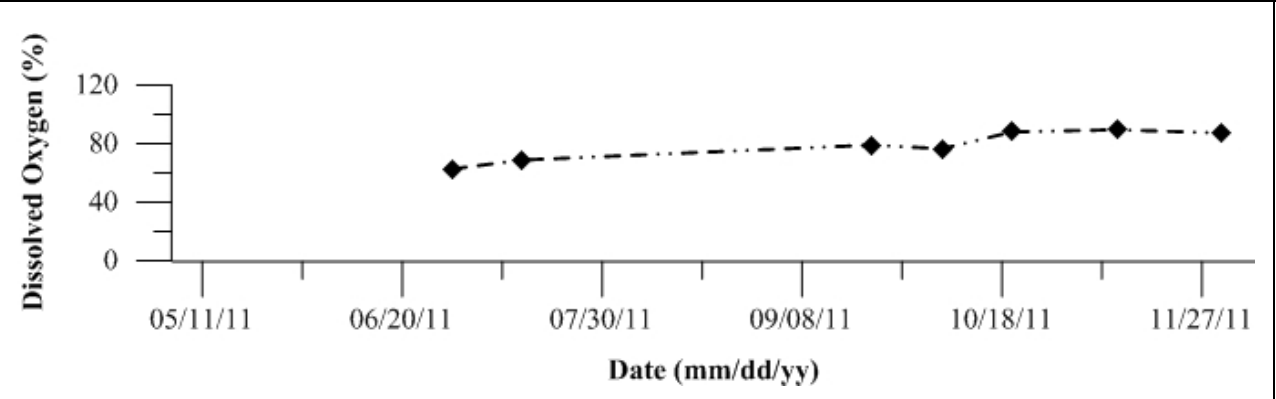


Figure 128: Grab sample Dissolved Oxygen (DO) percentage as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 129-160: Temporal plots of Dissolved Oxygen (DO) concentration as determined by sonde measurements by Site ID

Figure 129: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

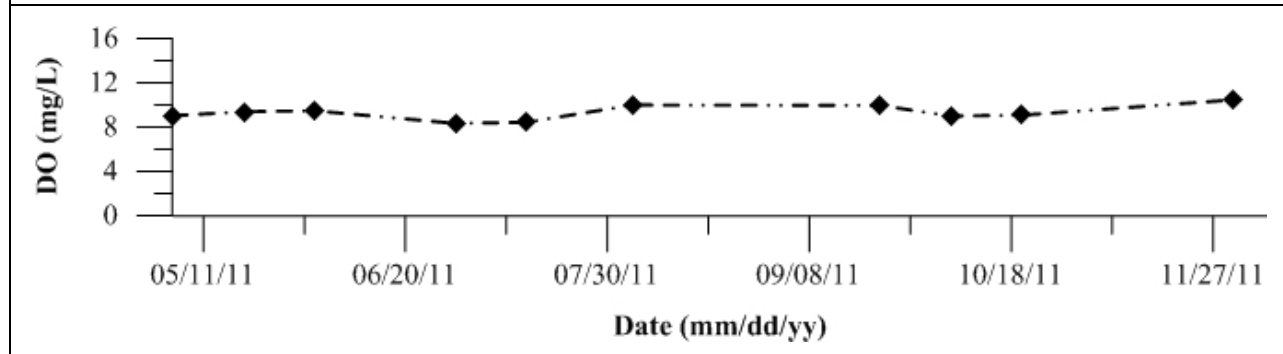


Figure 130: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

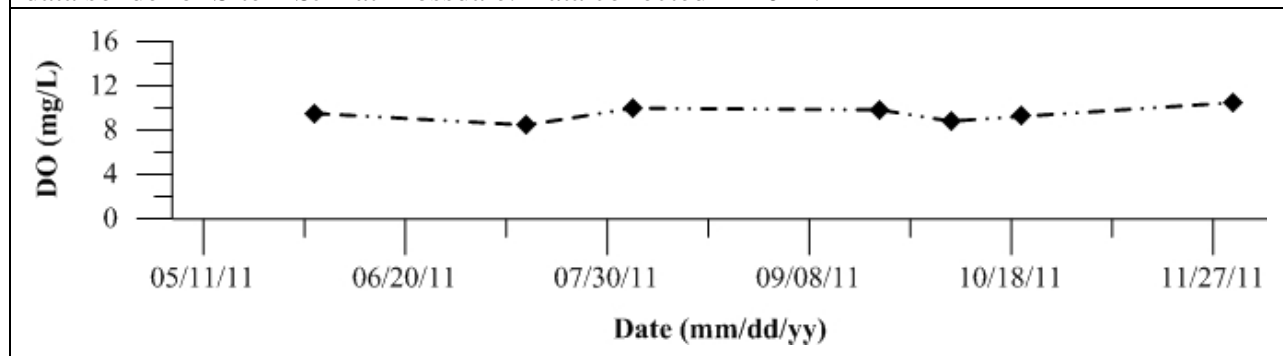


Figure 131: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

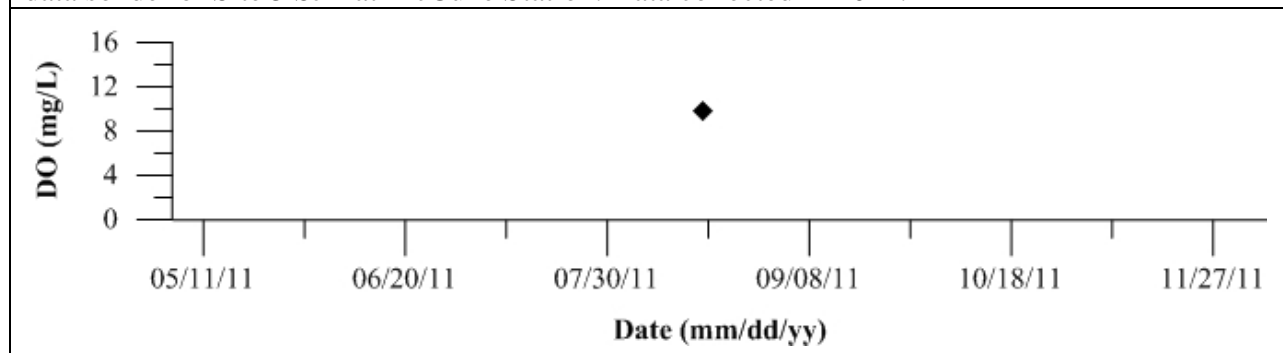


Figure 132: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

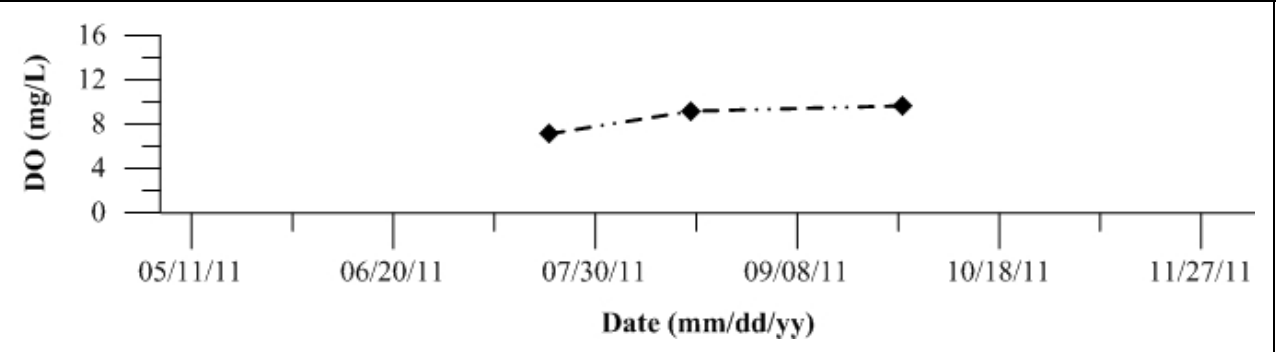


Figure 133: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

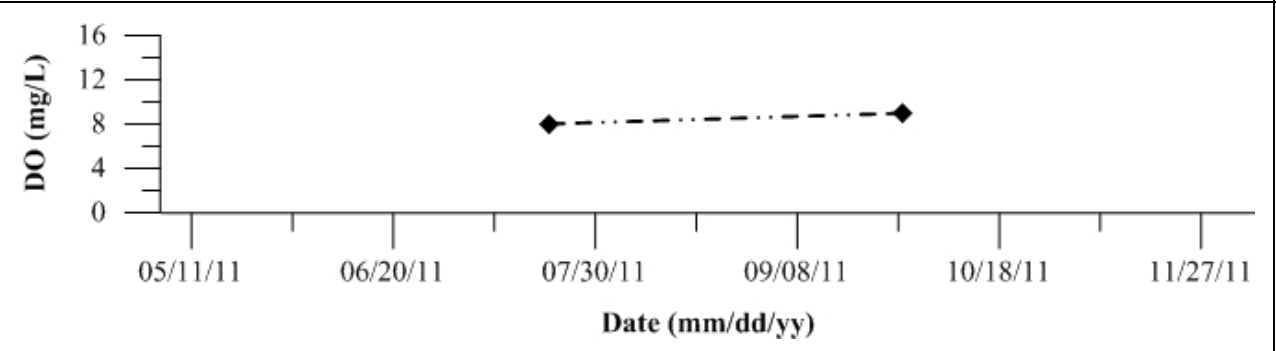


Figure 134: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

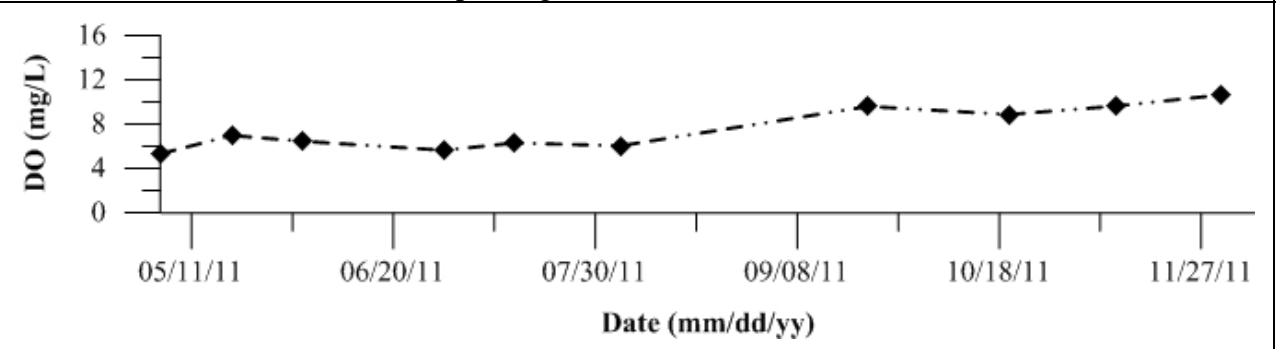


Figure 135: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

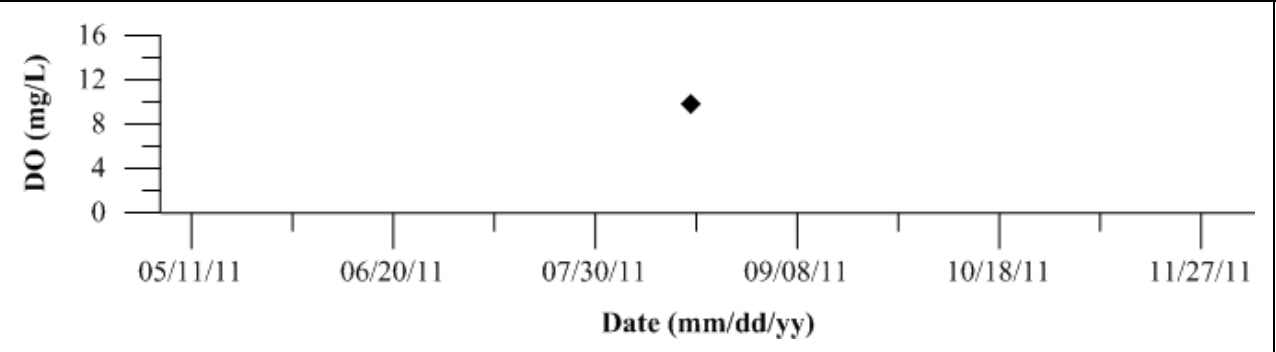


Figure 136: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

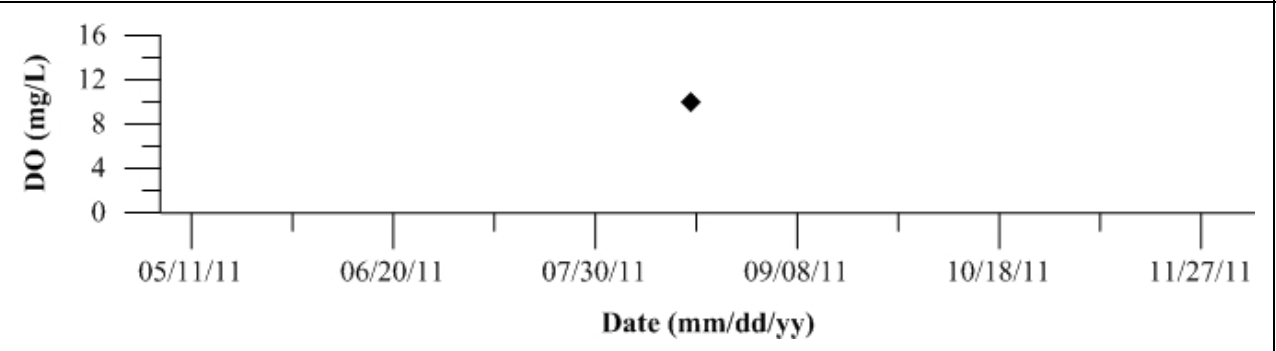


Figure 137: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

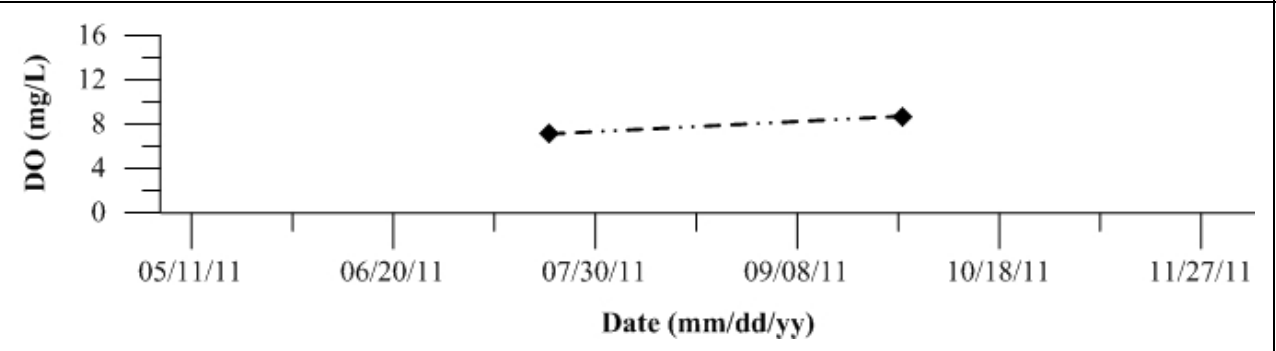


Figure 138: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

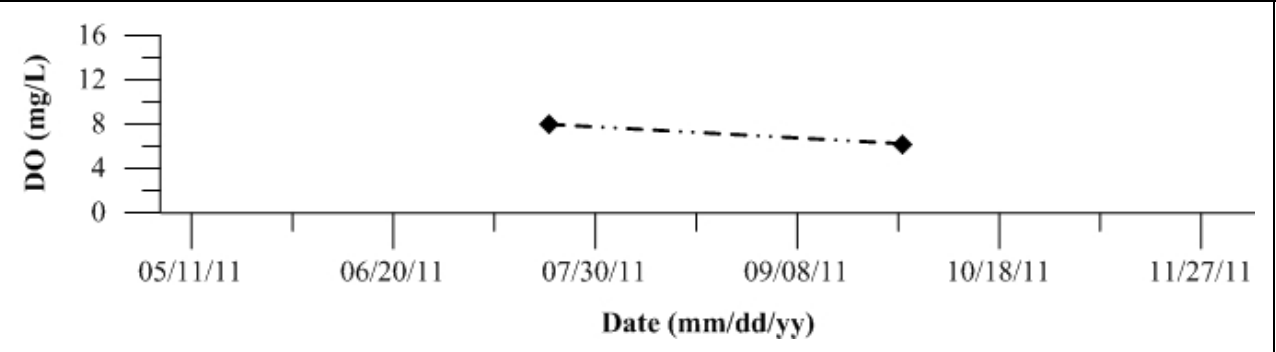


Figure 139: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

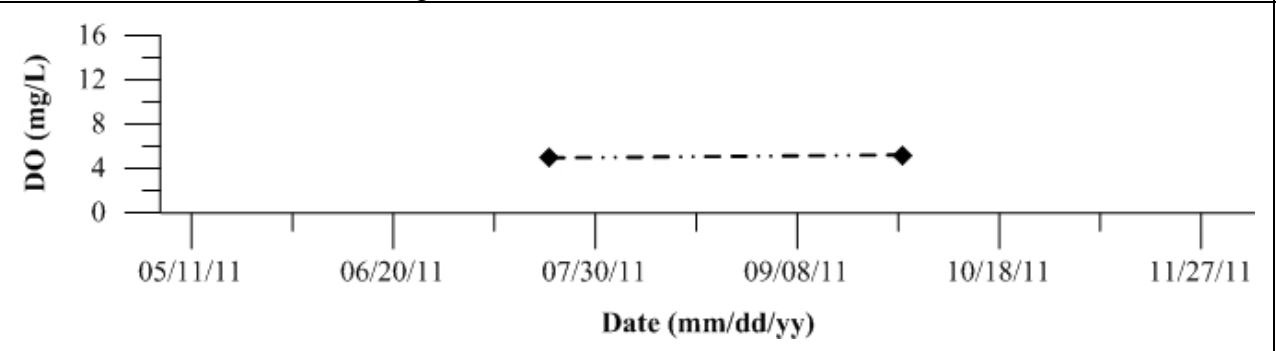


Figure 140: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

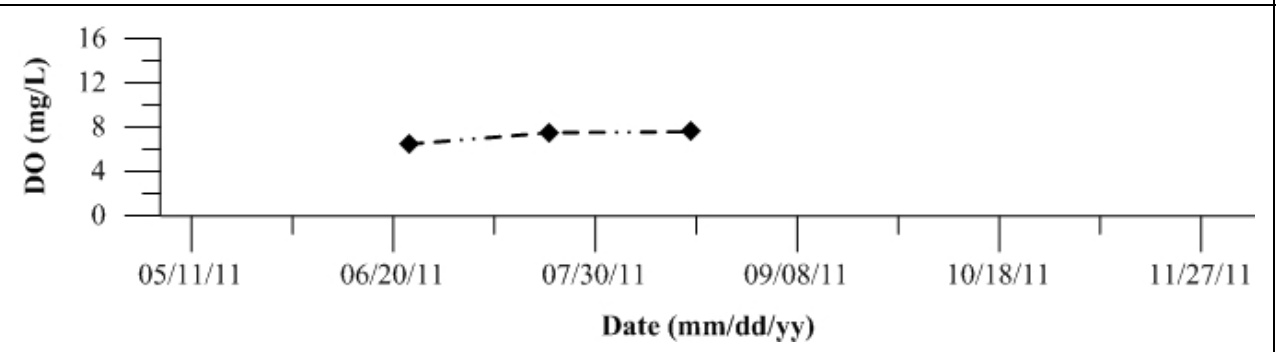


Figure 141: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

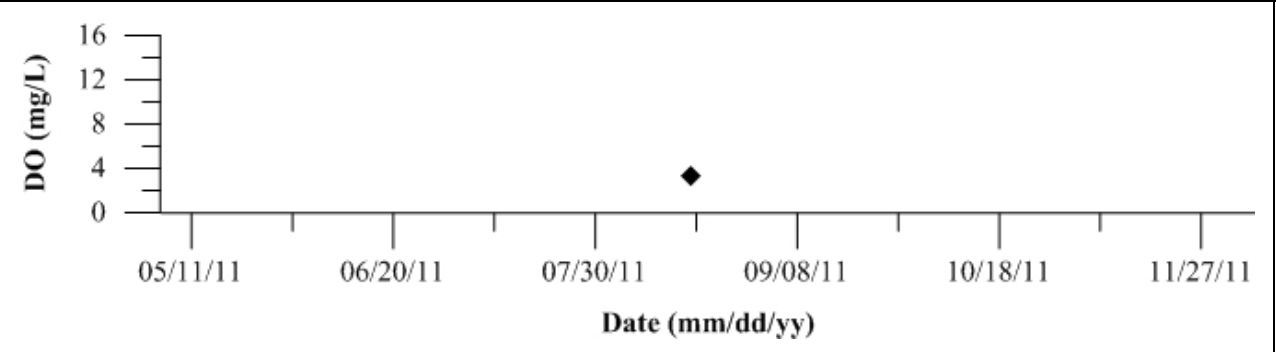


Figure 142: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

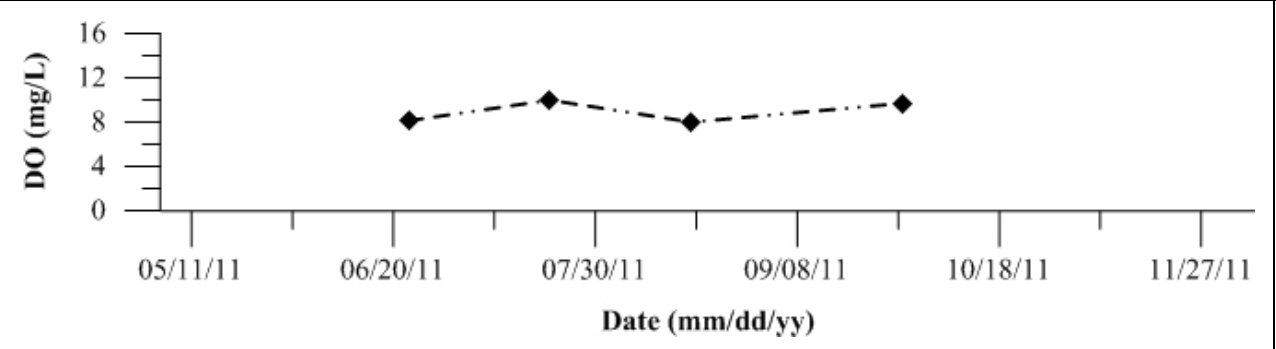


Figure 143: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

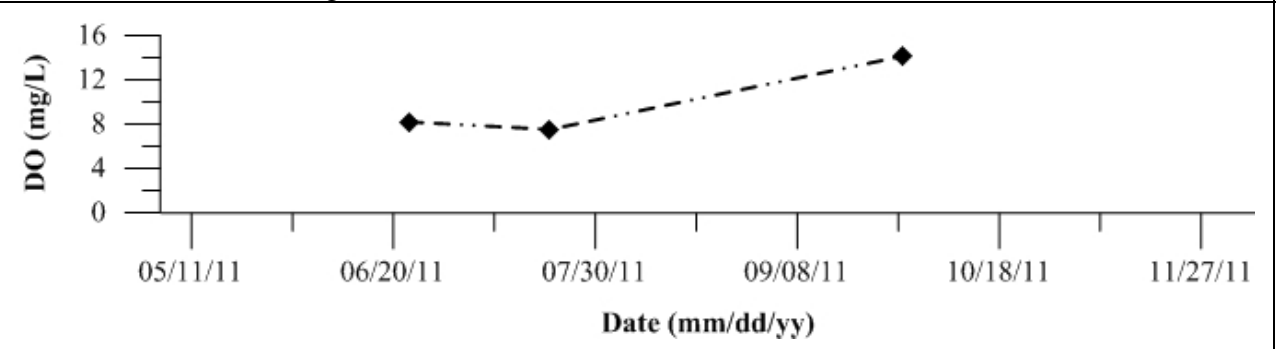


Figure 144: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

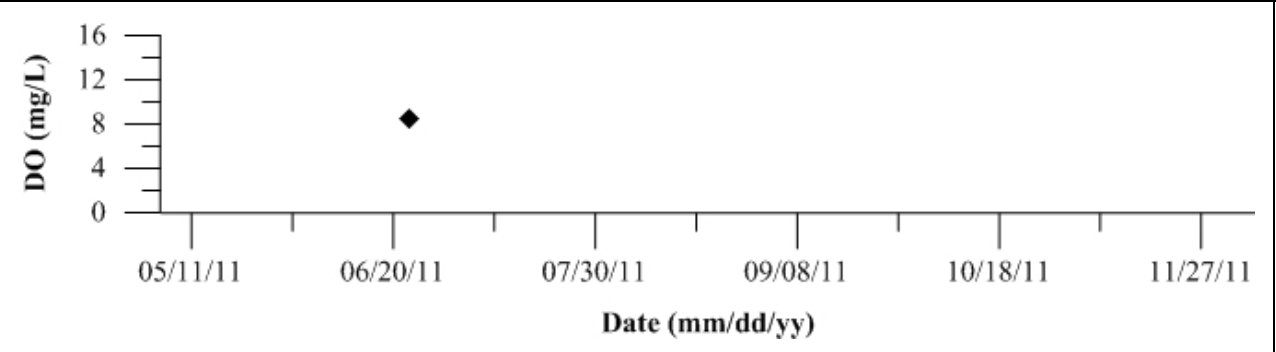


Figure 145: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

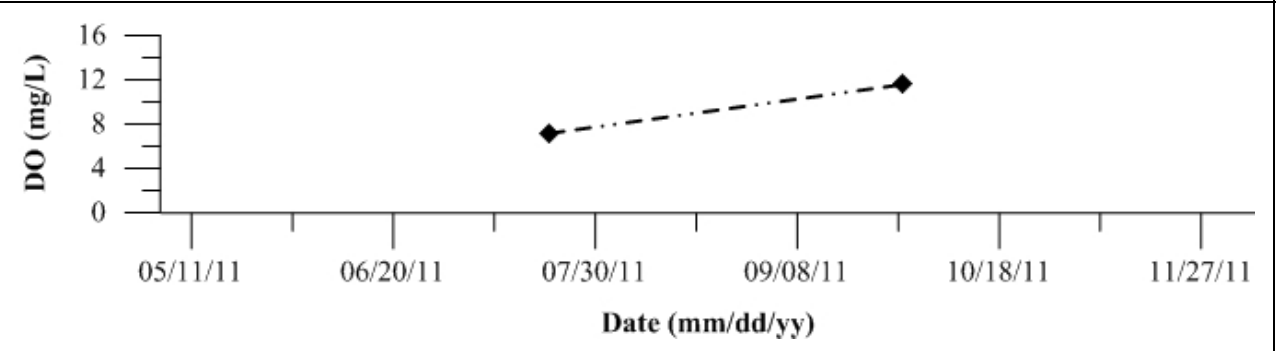


Figure 146: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

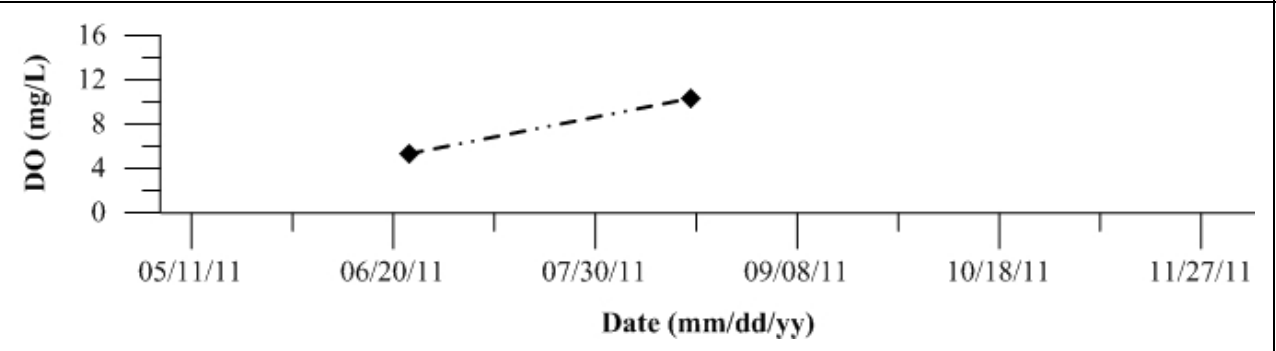


Figure 147: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

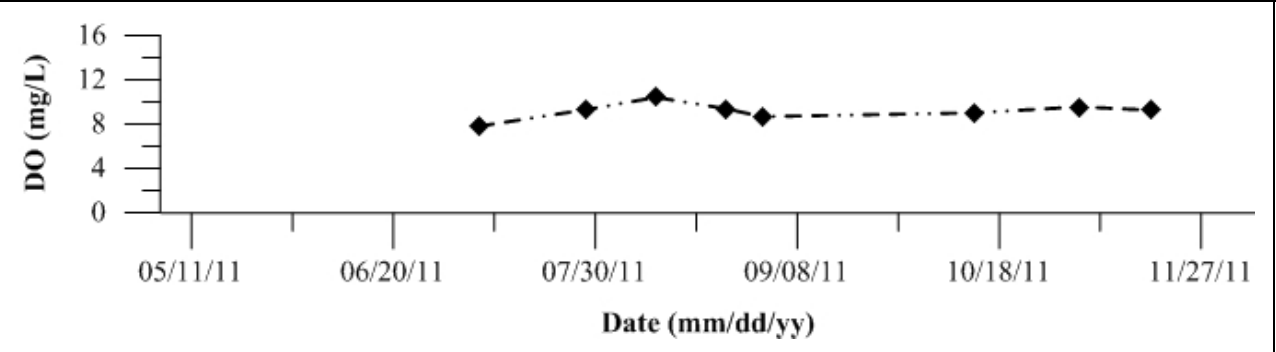


Figure 148: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

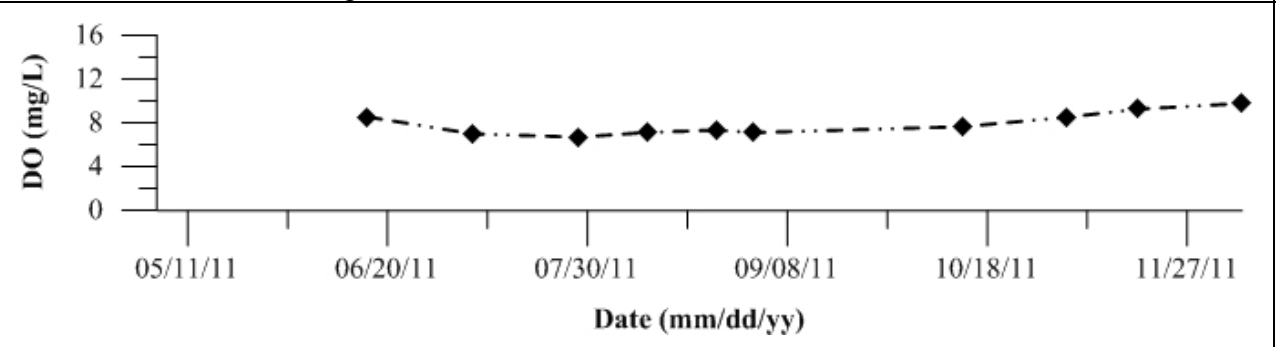


Figure 149: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

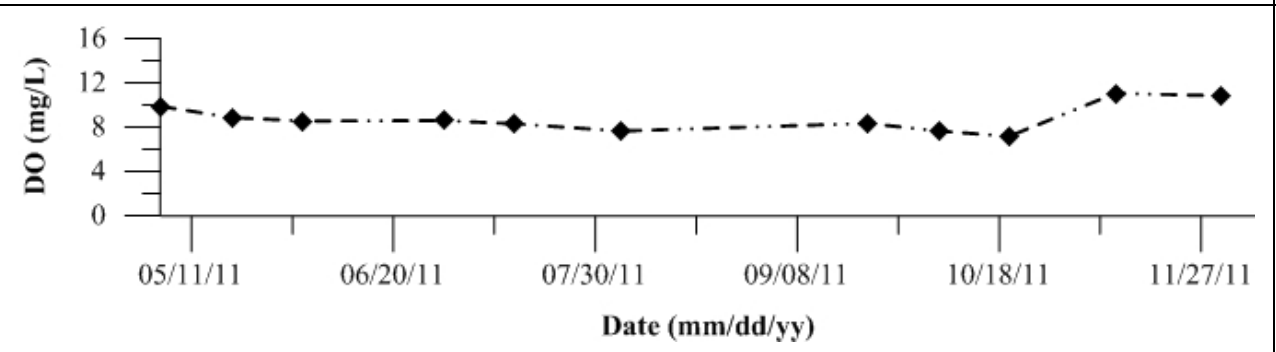


Figure 150: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

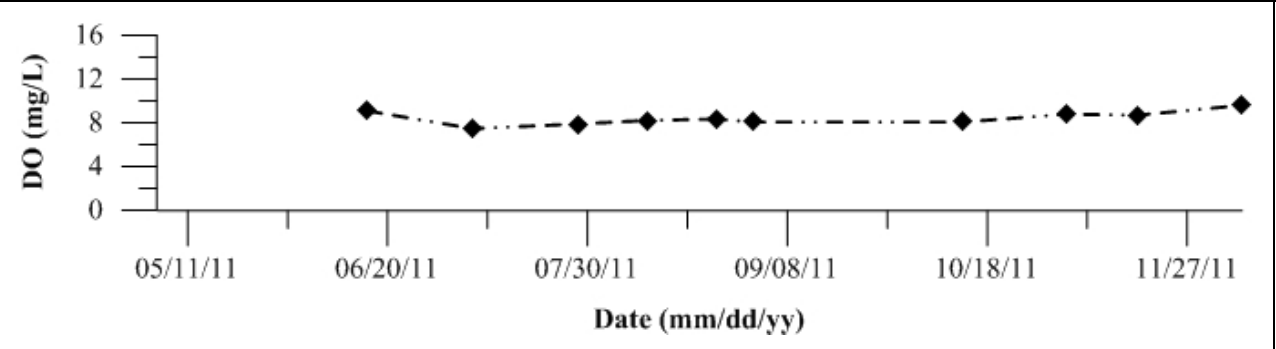


Figure 151: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

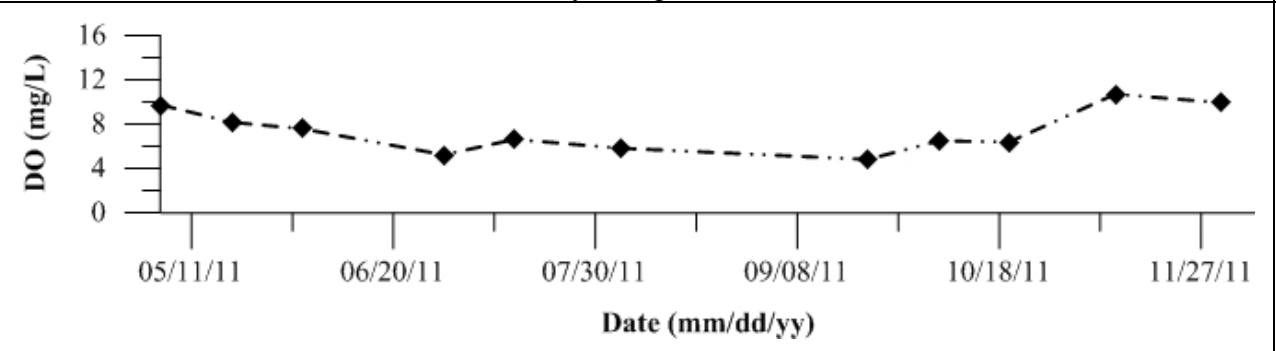


Figure 152: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

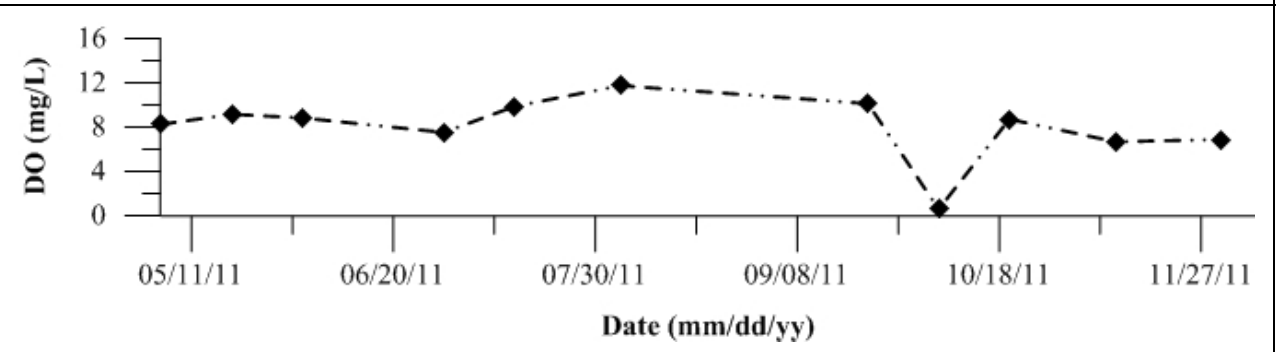


Figure 153: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

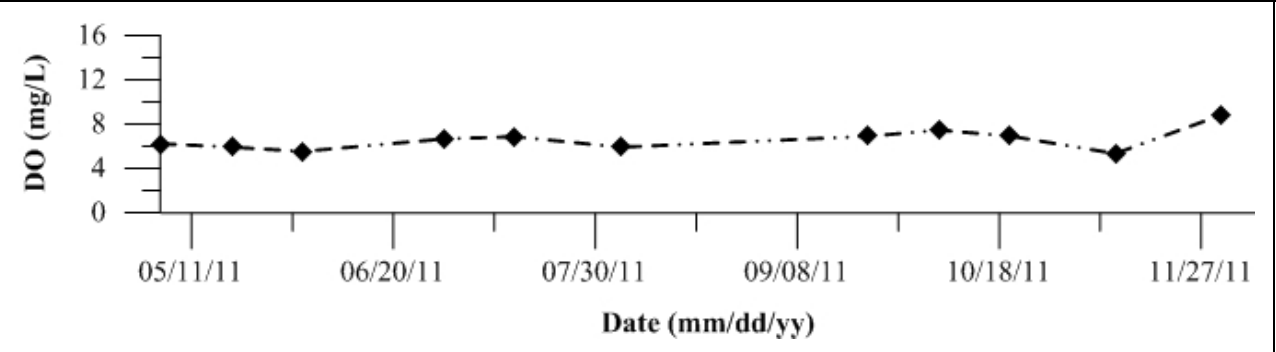


Figure 154: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

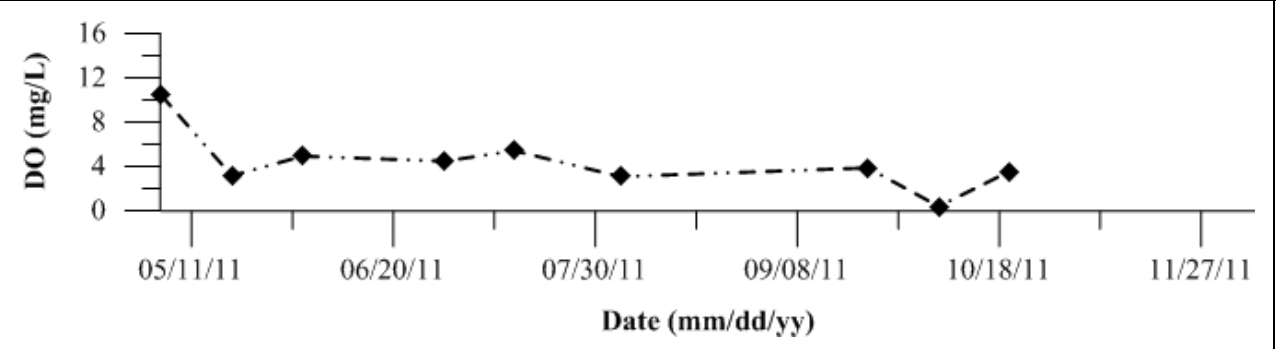


Figure 155: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

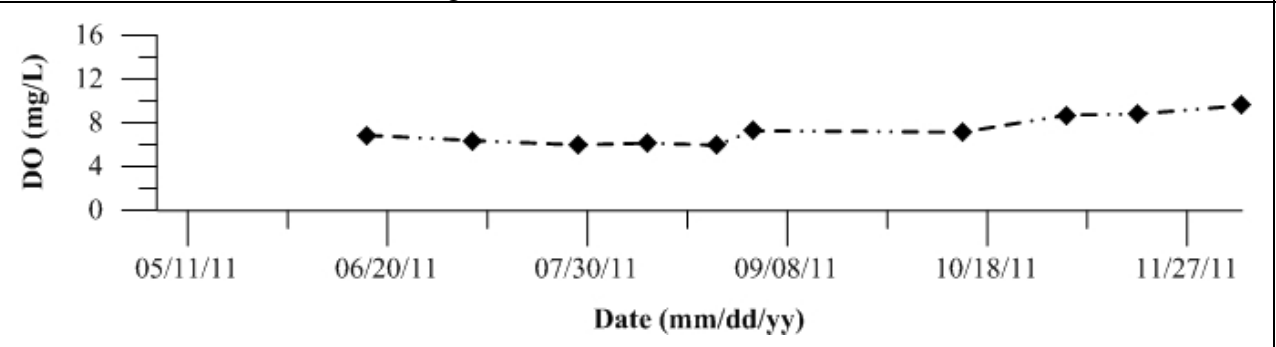


Figure 156: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

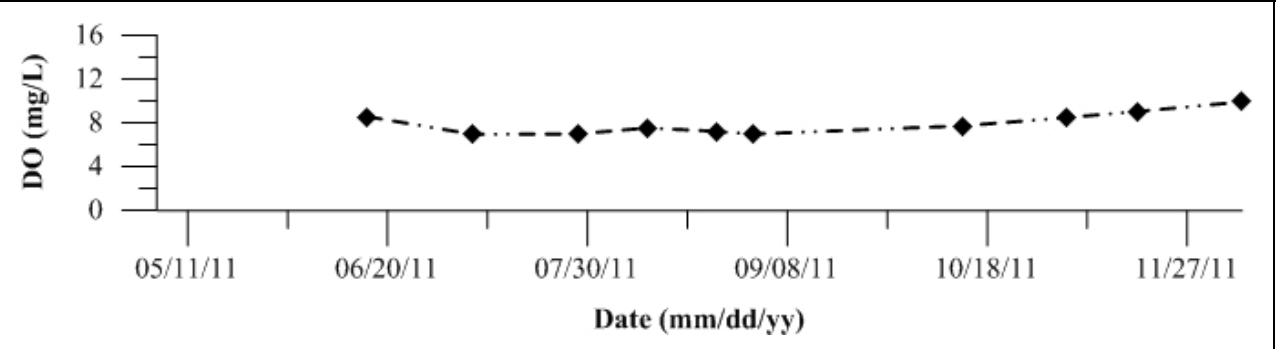


Figure 157: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

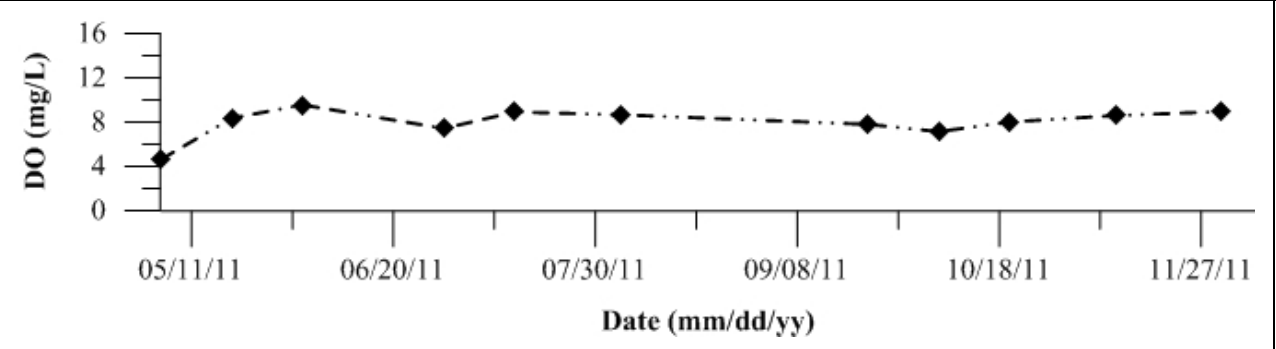


Figure 158: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

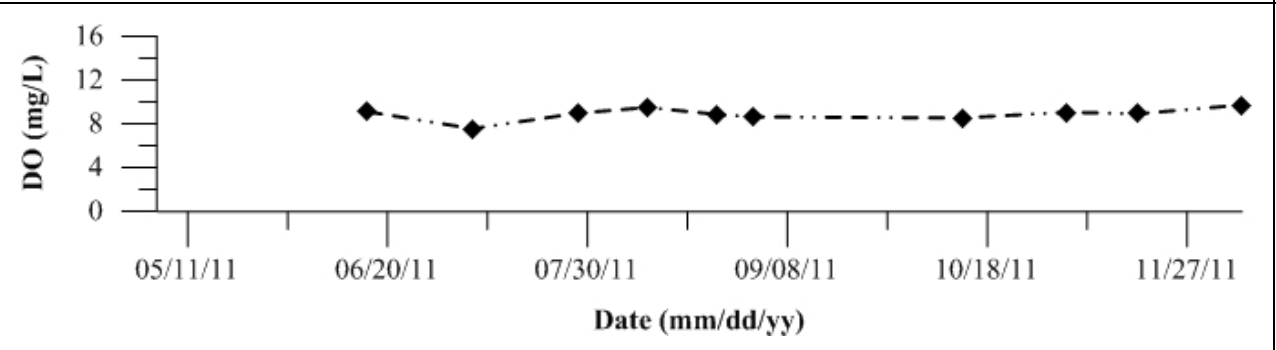


Figure 159: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

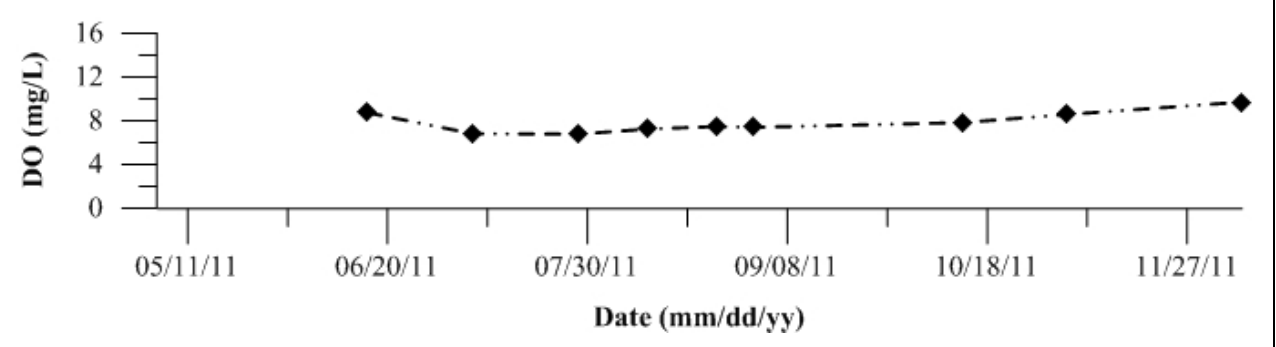
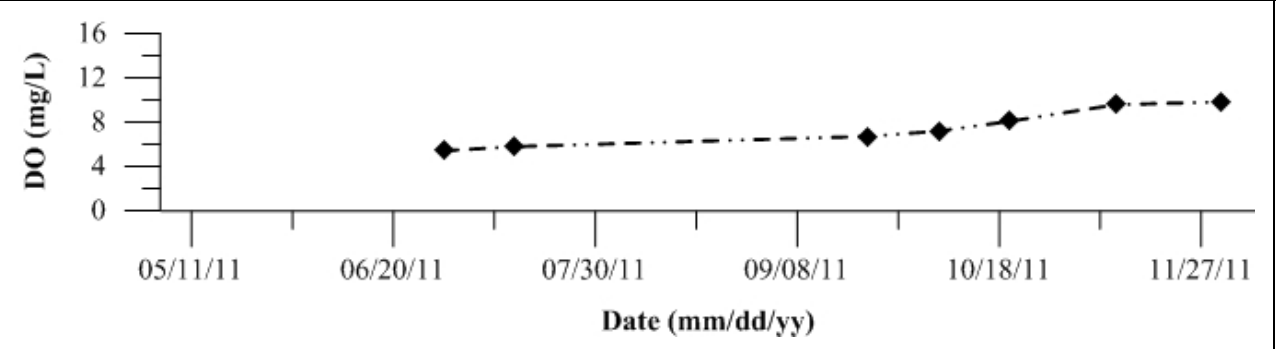


Figure 160: Grab sample Dissolved Oxygen (DO) concentration as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 161-192: Temporal plots of pH by Site ID

Figure 161: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

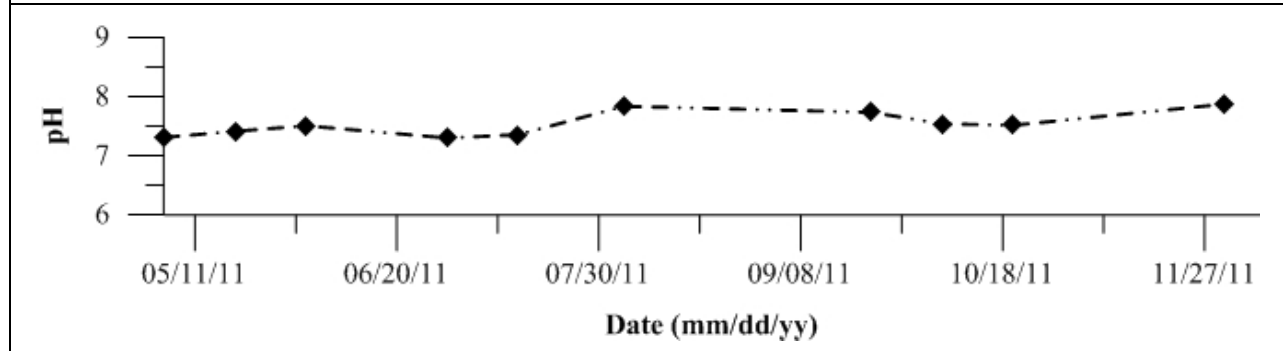


Figure 162: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

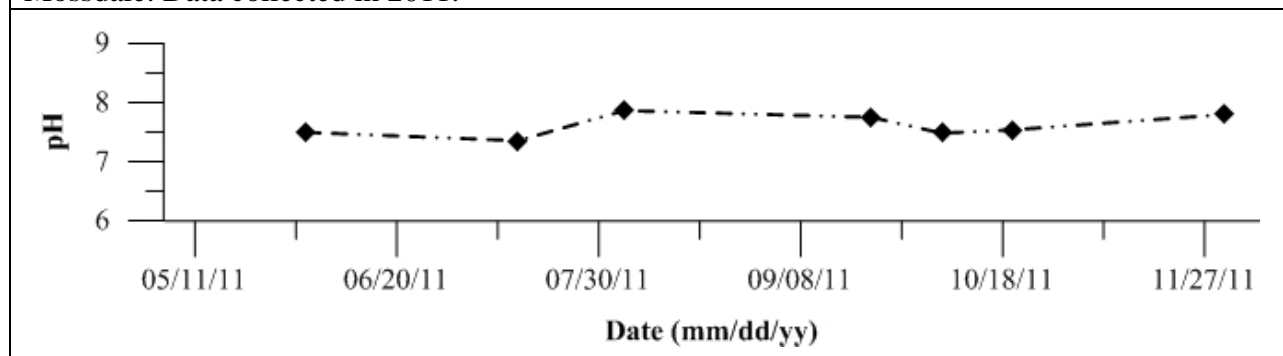


Figure 163: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

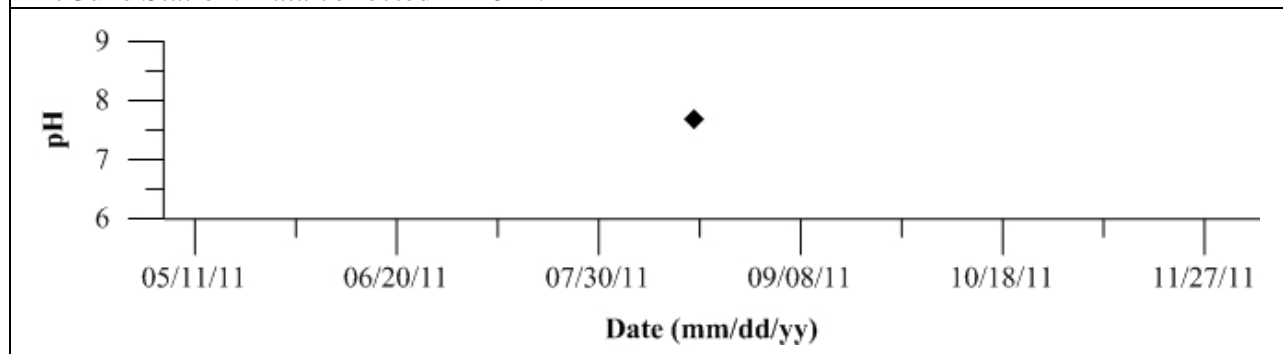


Figure 164: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

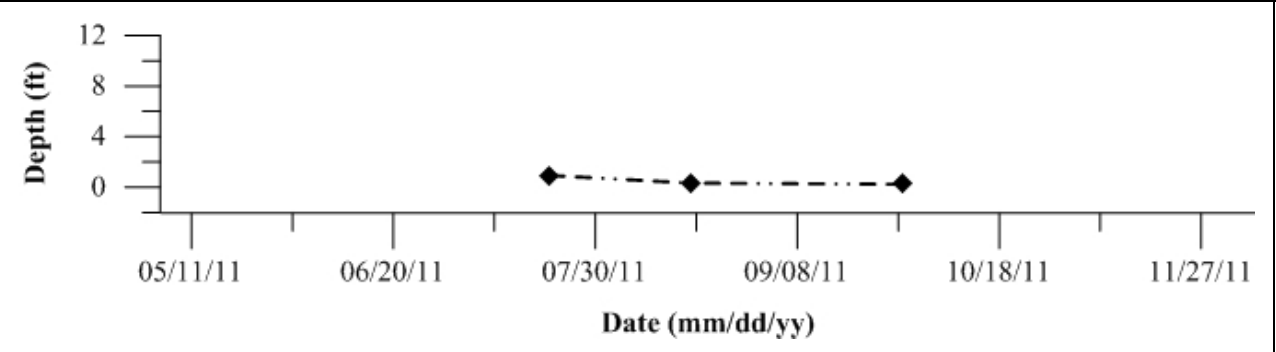


Figure 165: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

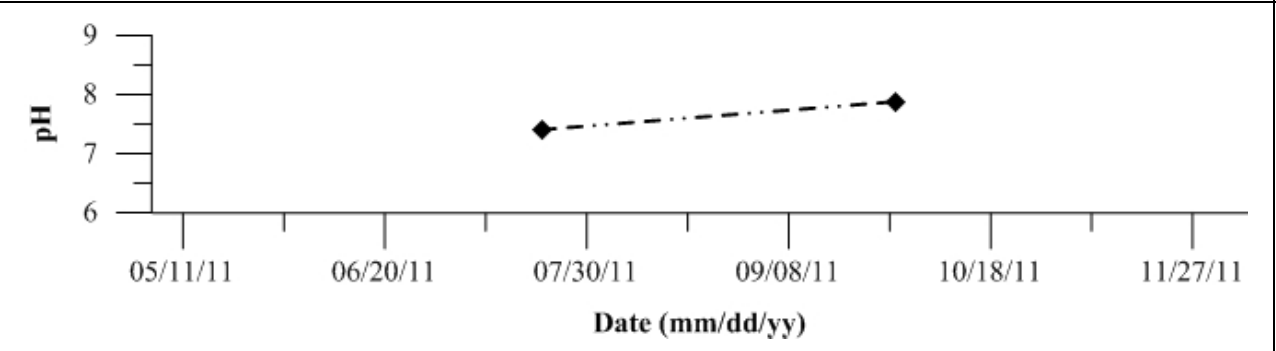


Figure 166: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

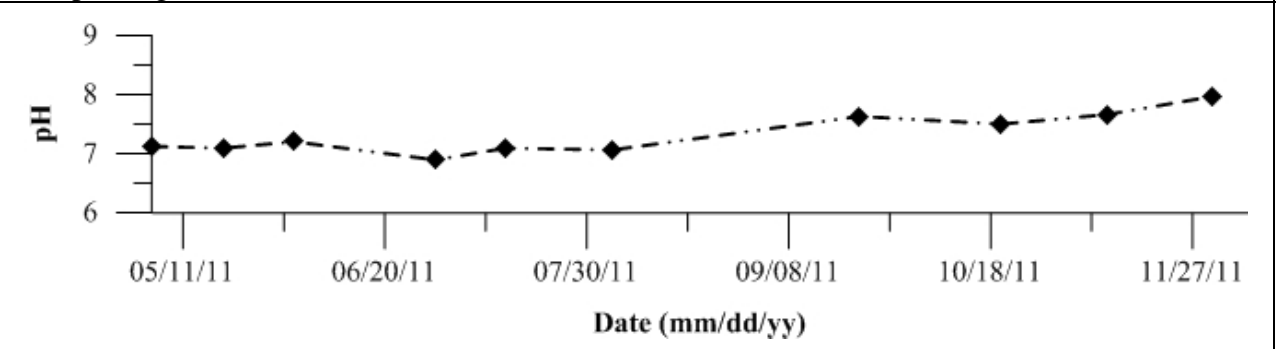


Figure 167: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

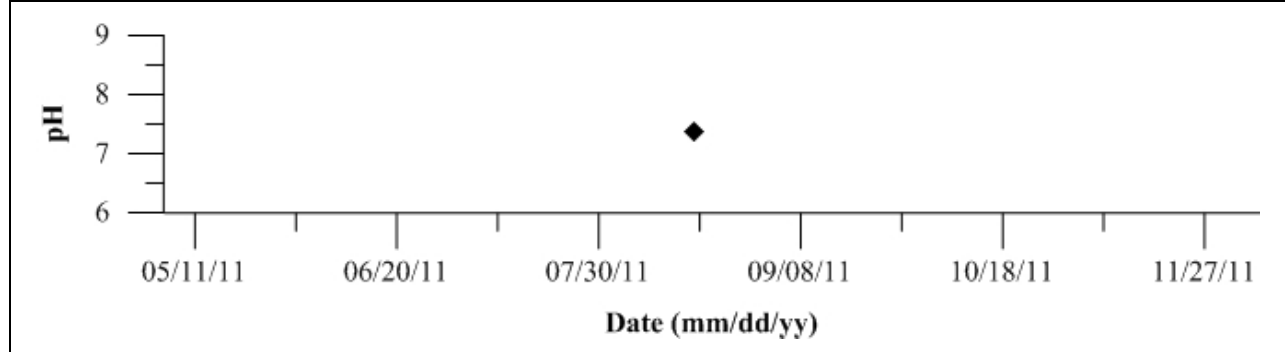


Figure 168: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

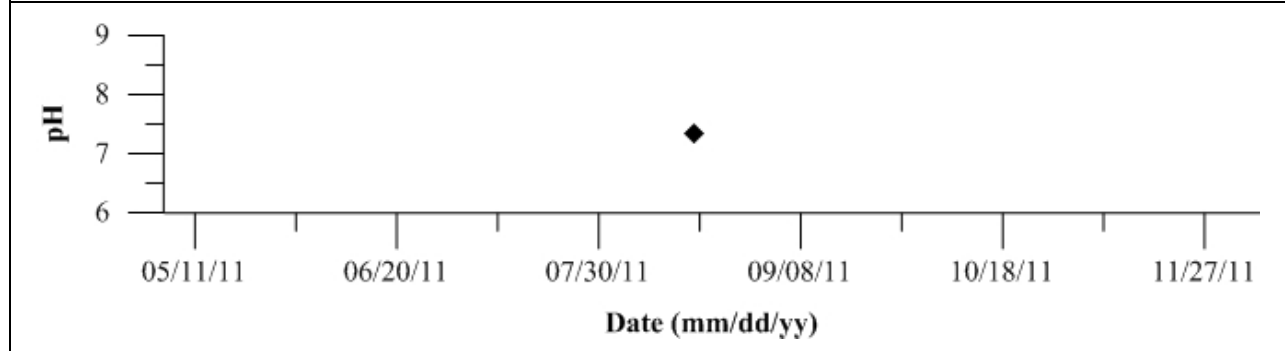


Figure 169: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

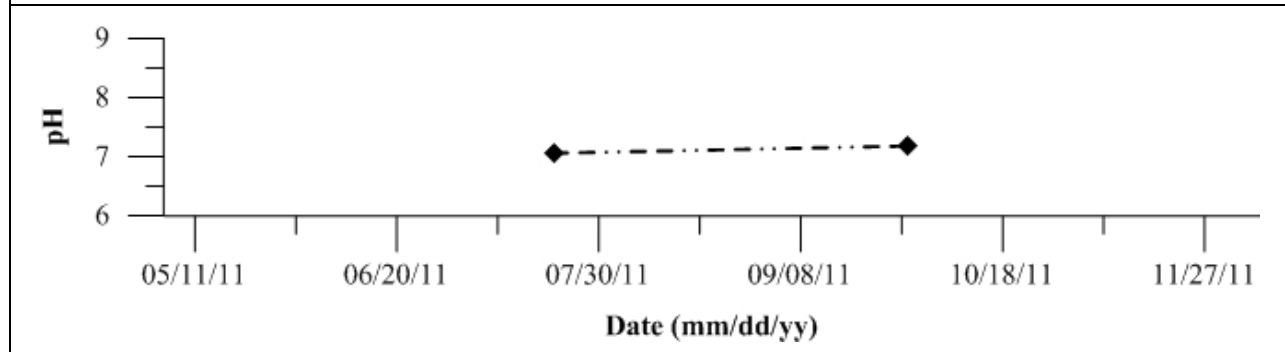


Figure 170: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

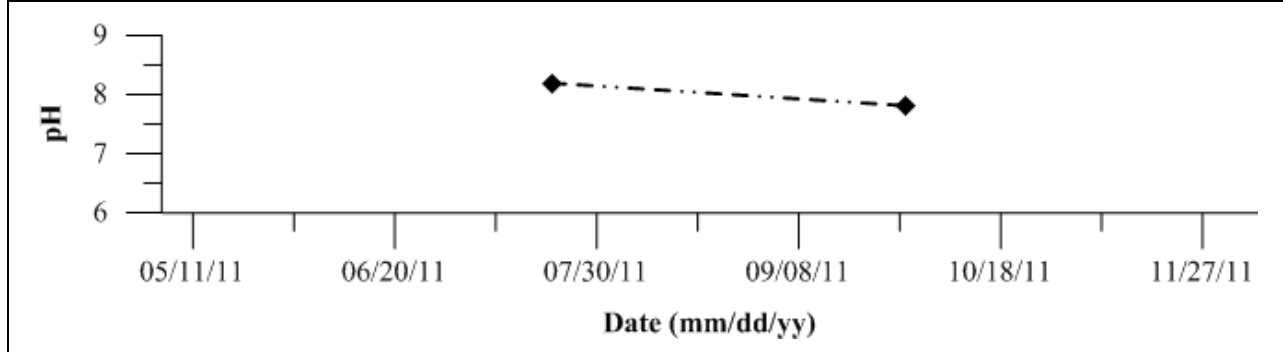


Figure 171: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

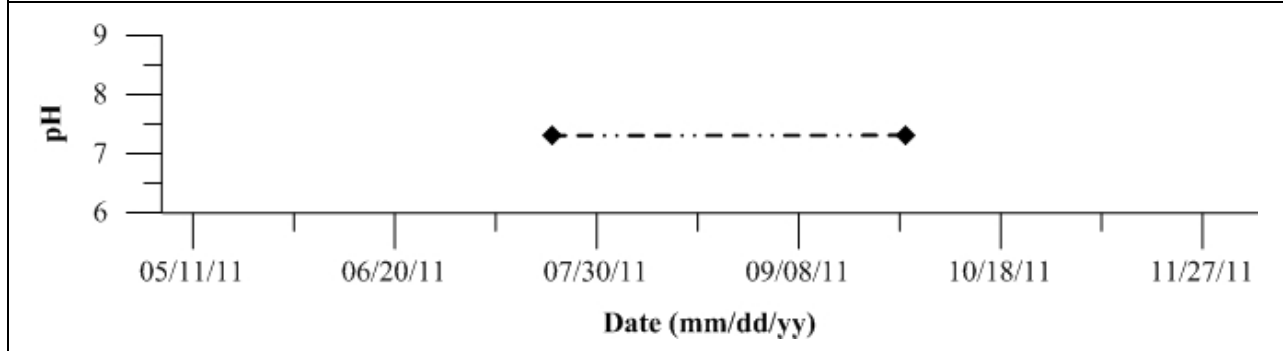


Figure 172: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

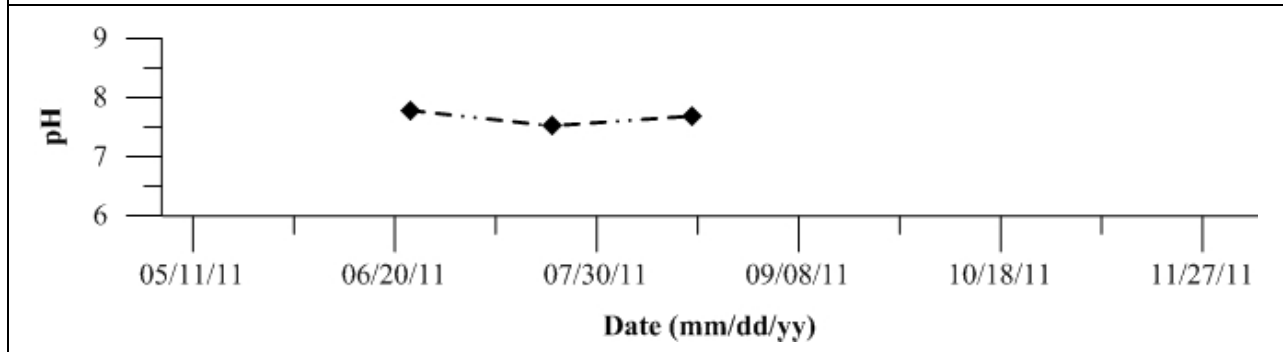


Figure 173: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

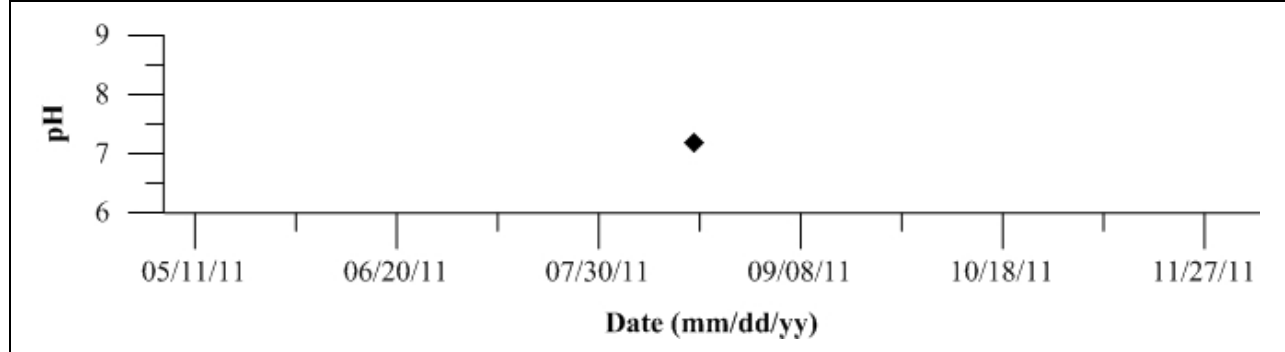


Figure 174: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

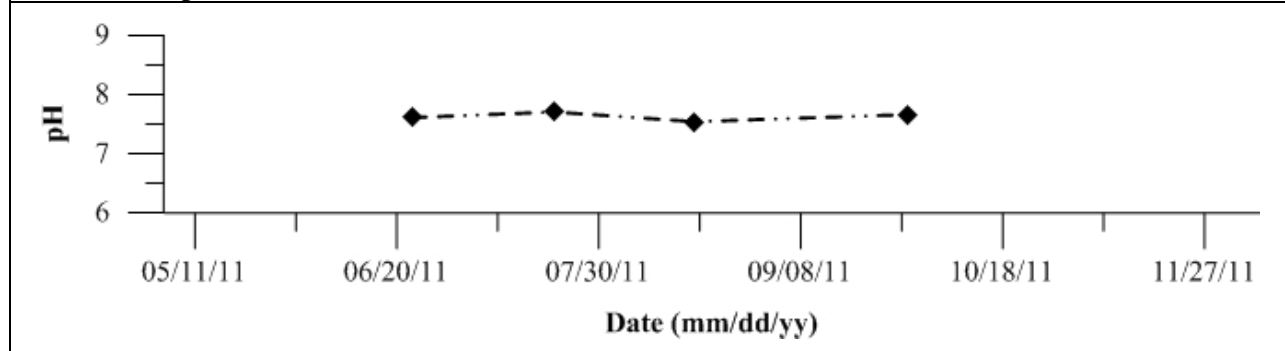


Figure 175: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

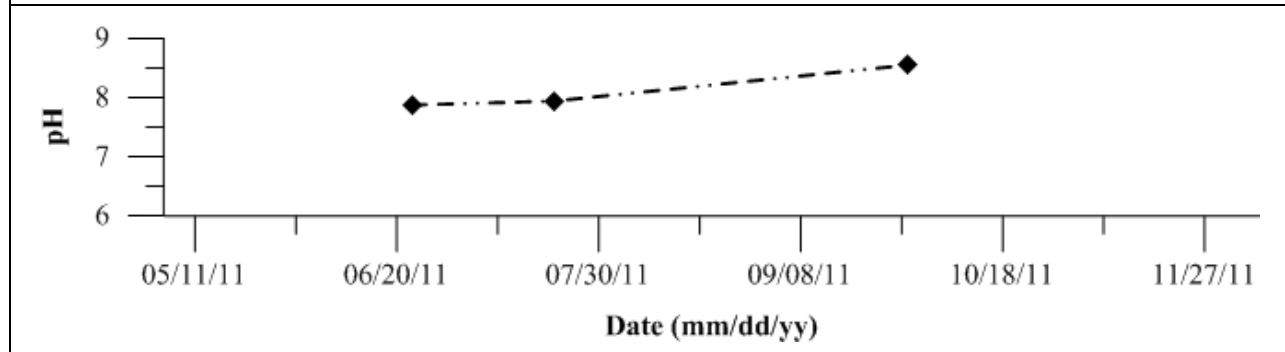


Figure 176: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

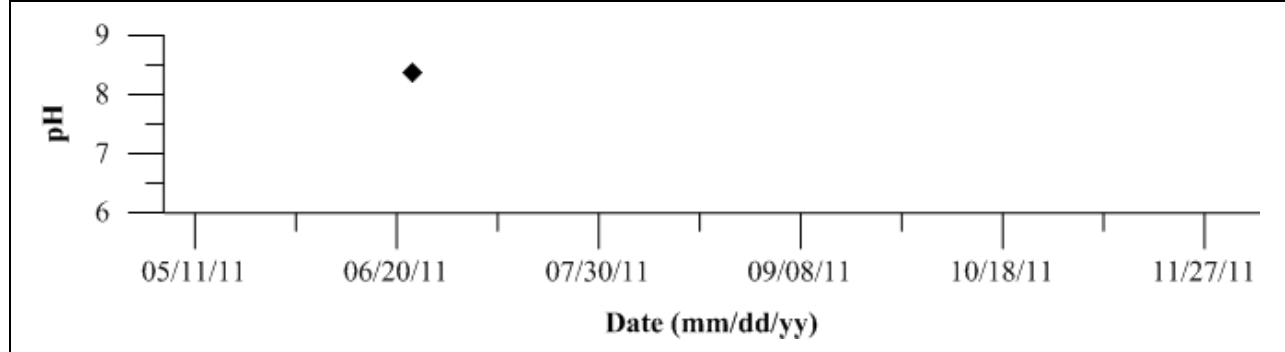


Figure 177: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

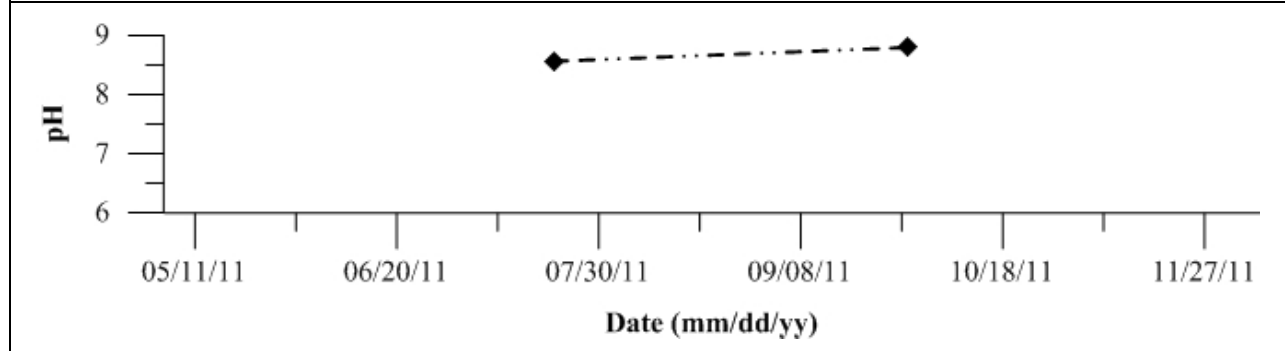


Figure 178: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

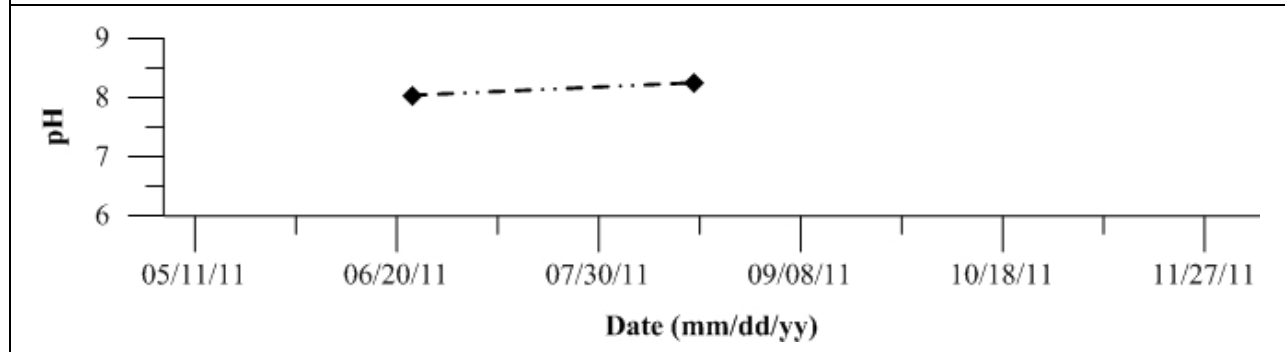


Figure 179: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

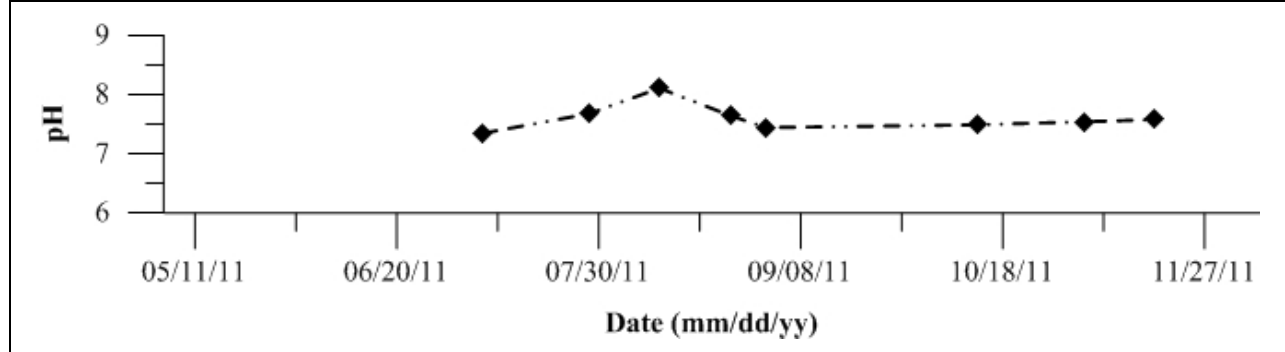


Figure 180: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

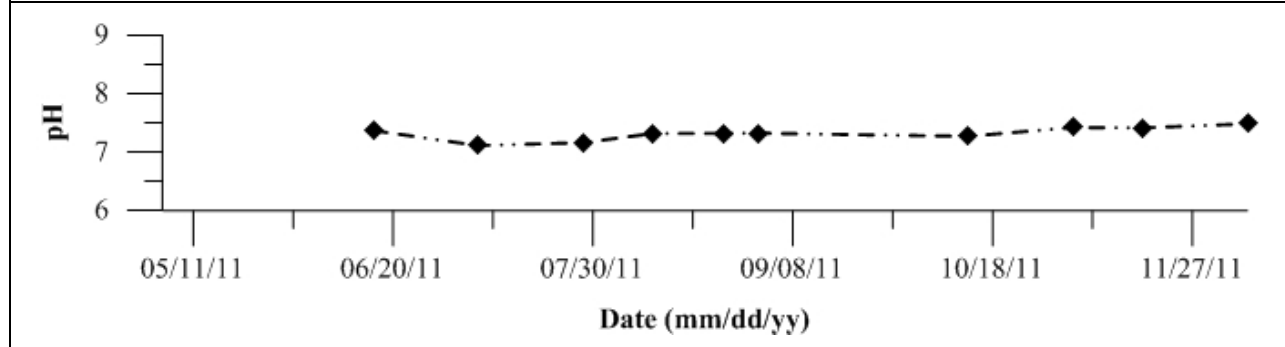


Figure 181: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

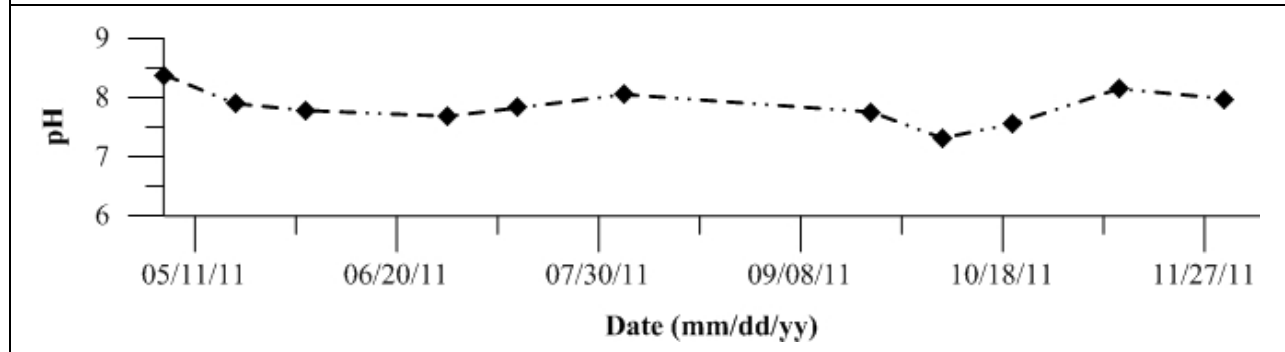


Figure 182: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

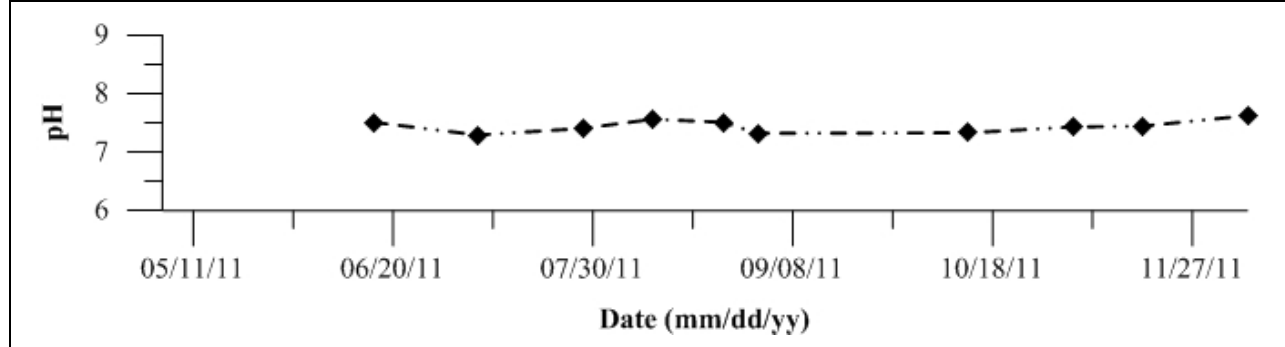


Figure 183: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

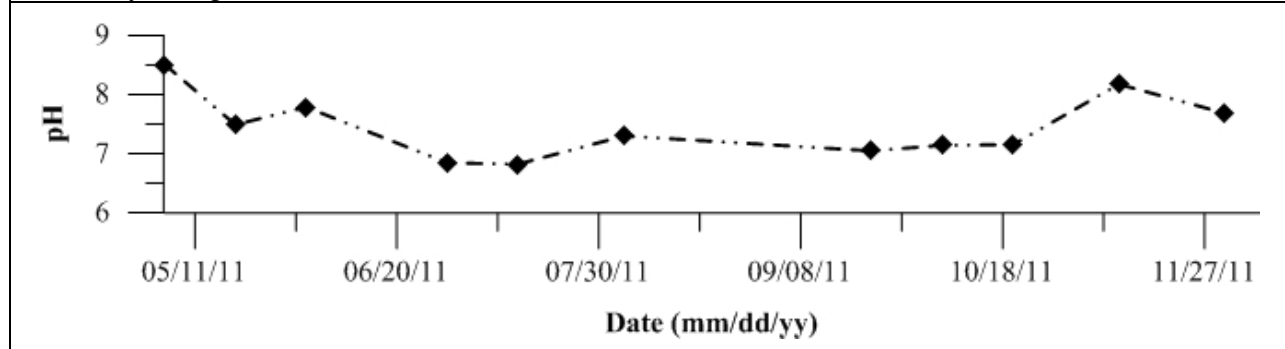


Figure 184: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

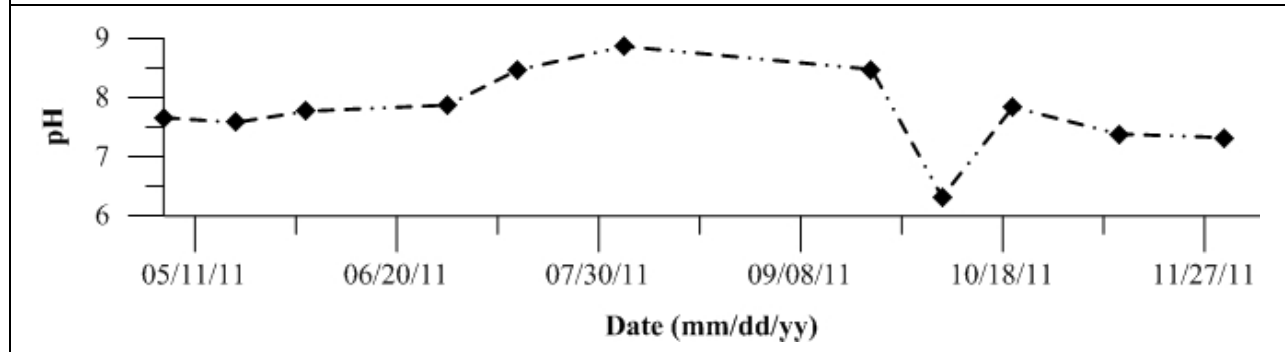


Figure 185: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

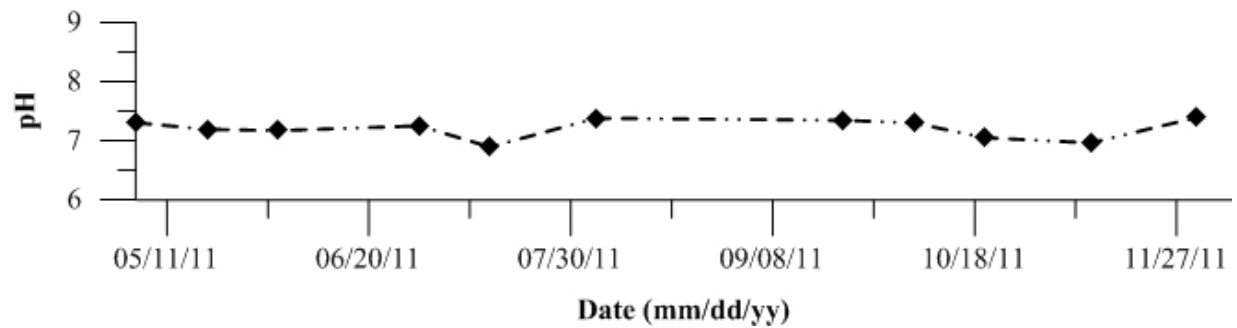


Figure 186: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

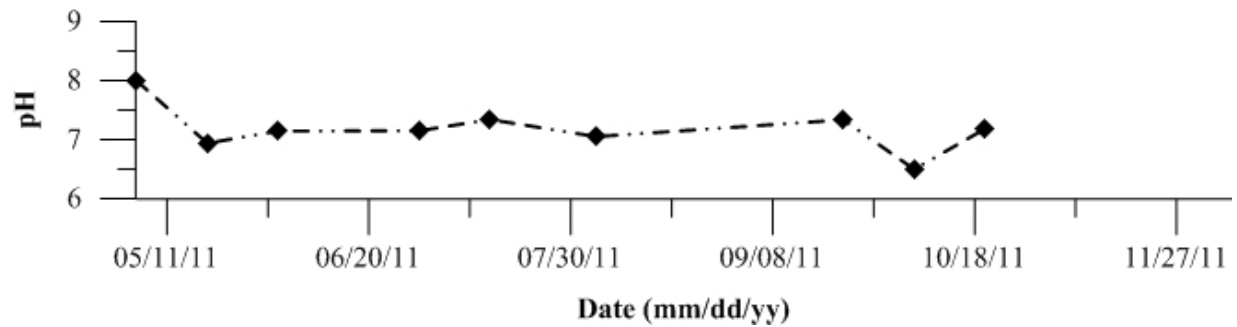


Figure 187: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

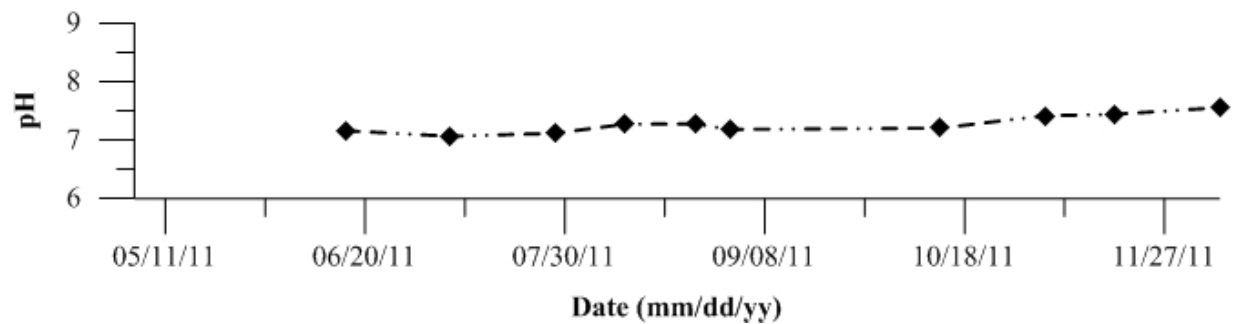


Figure 188: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

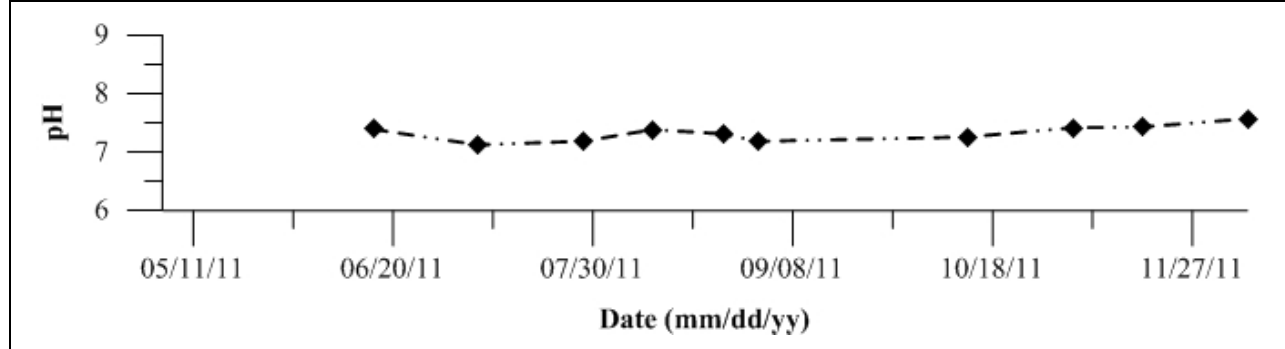


Figure 189: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

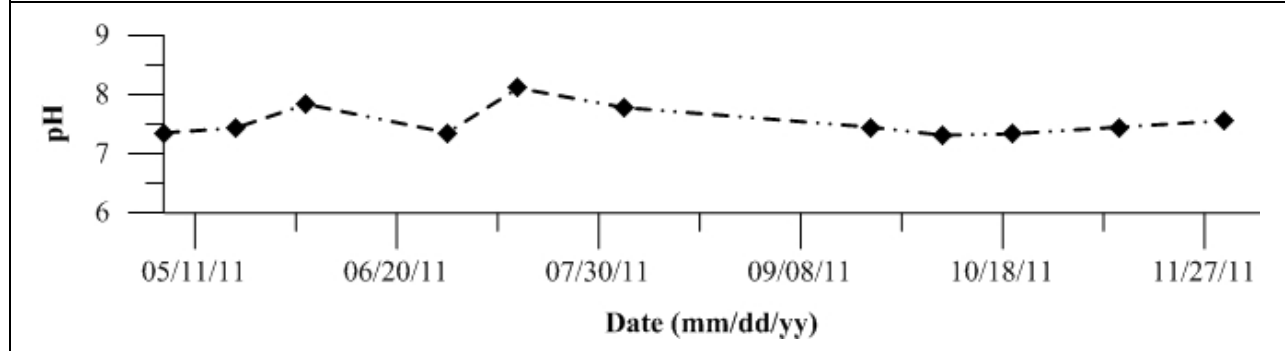


Figure 190: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

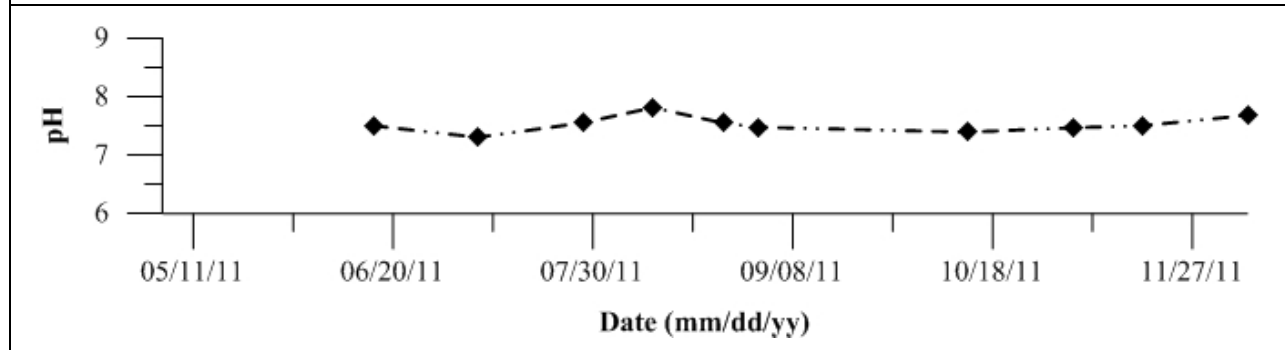


Figure 191: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

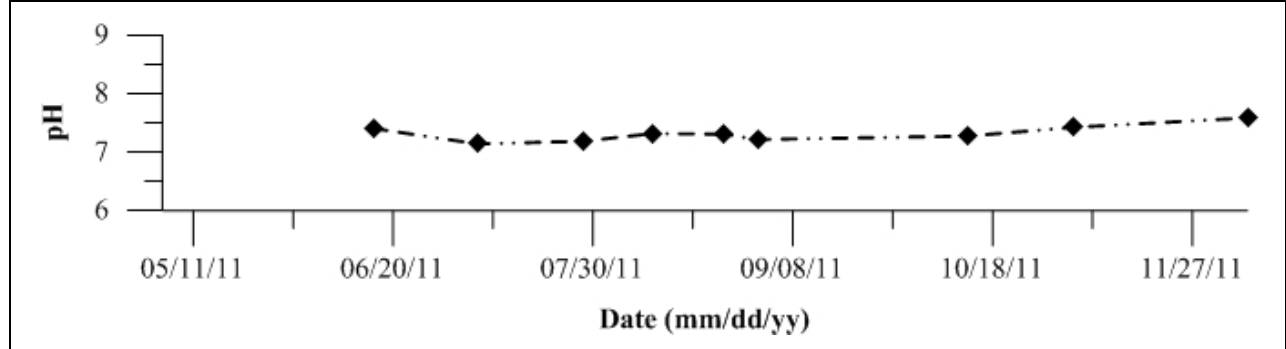
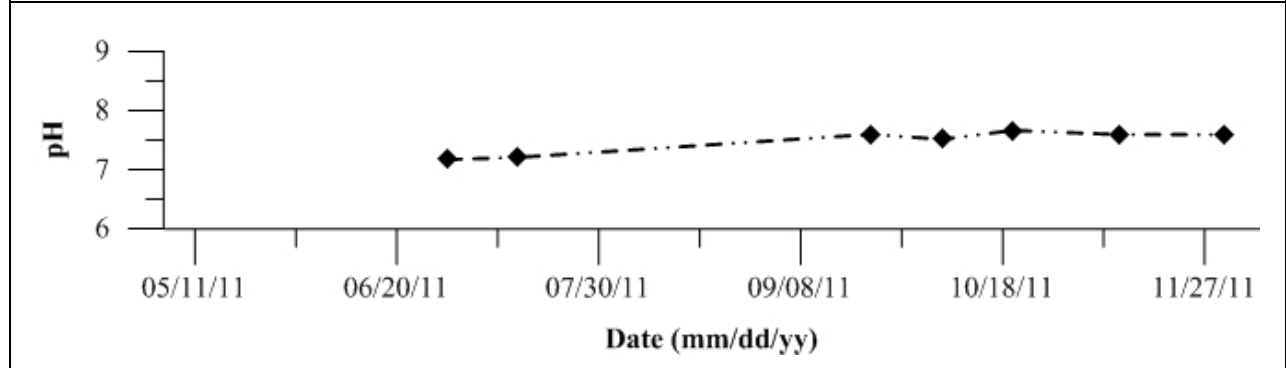


Figure 192: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 193-224: Temporal plots of turbidity as determined by sonde measurements by Site ID

Figure 193: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

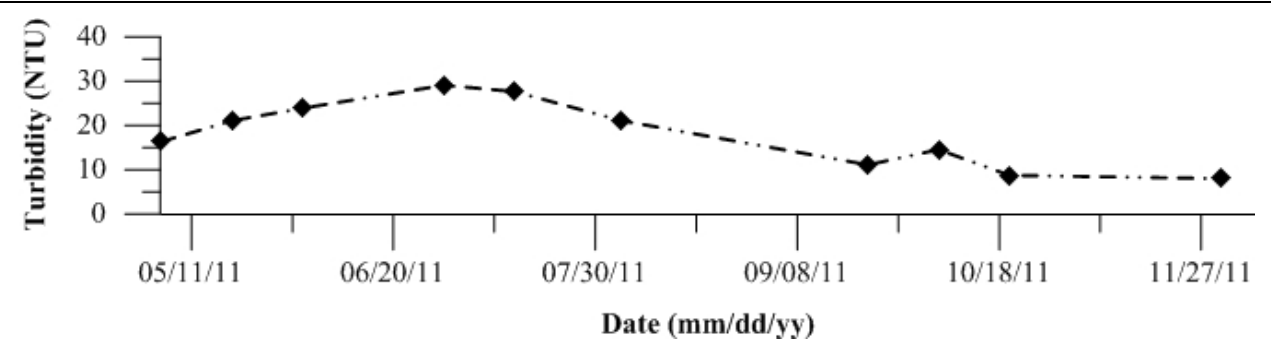


Figure 194: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

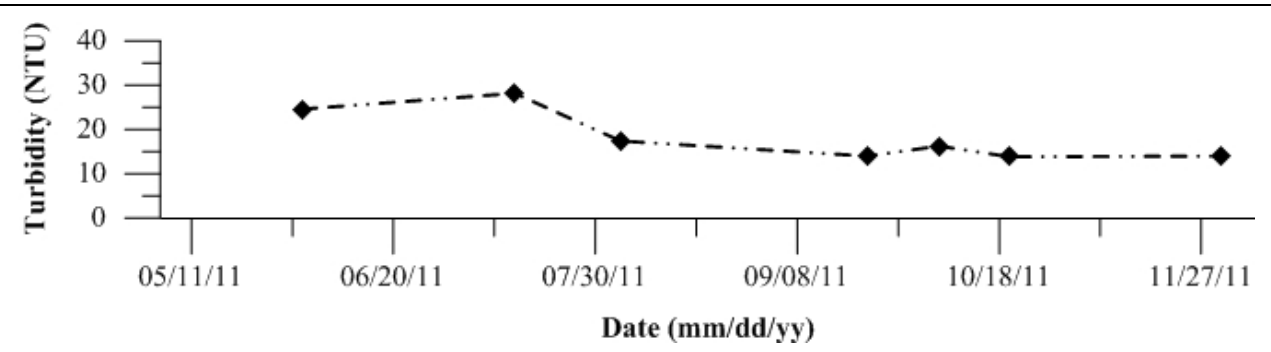


Figure 195: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

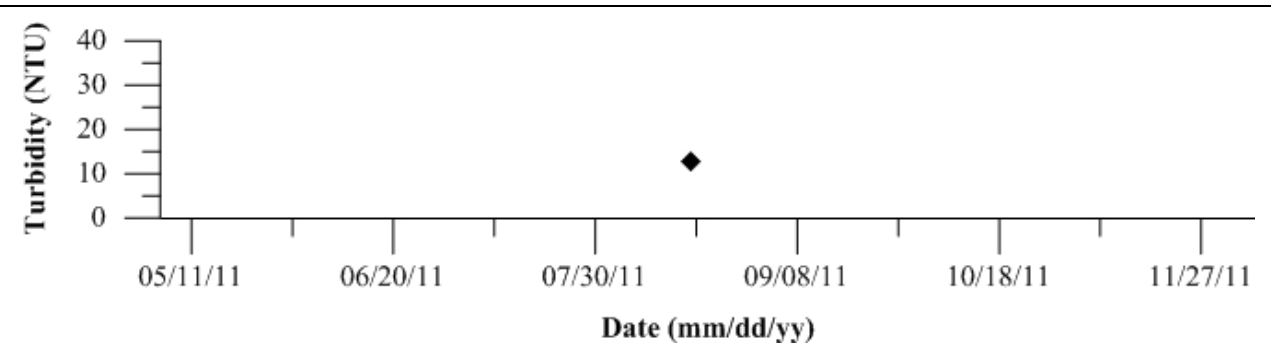


Figure 196: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

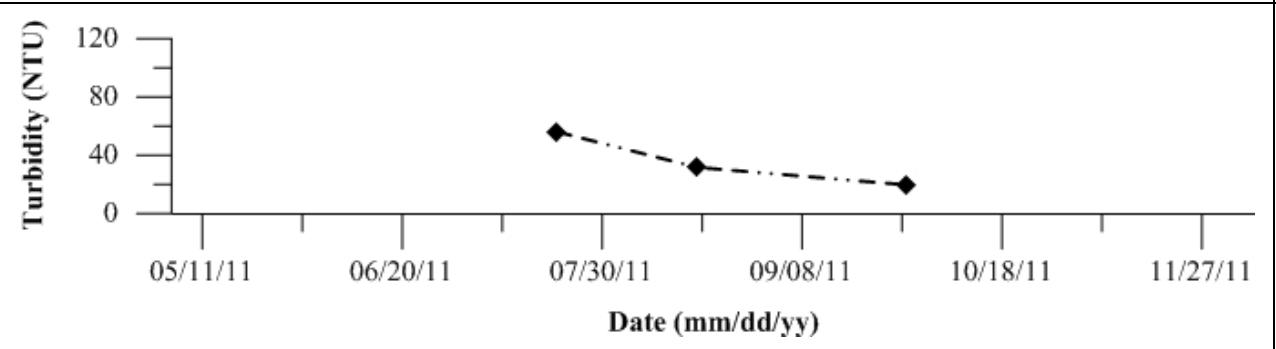


Figure 197: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

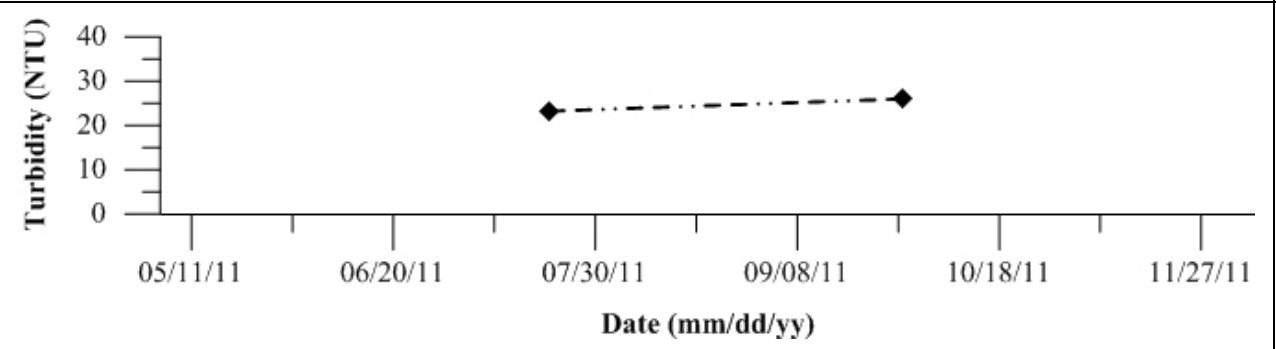


Figure 198: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

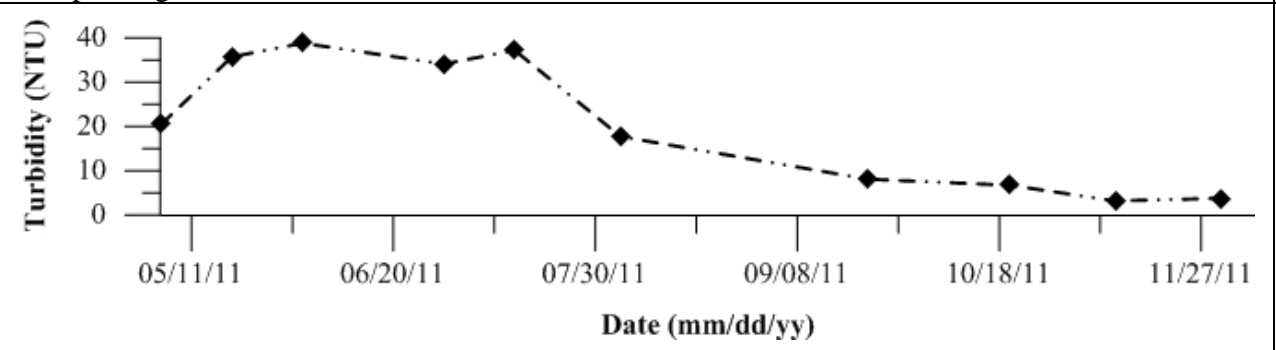


Figure 199: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

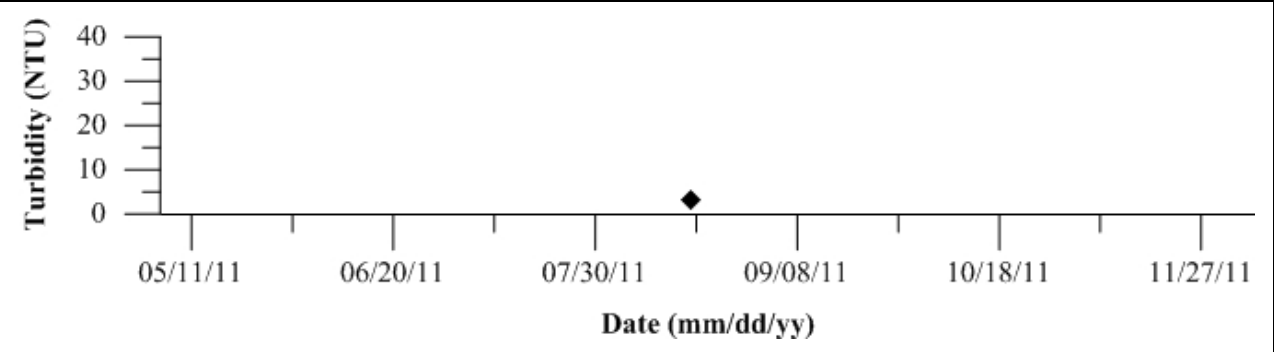


Figure 200: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

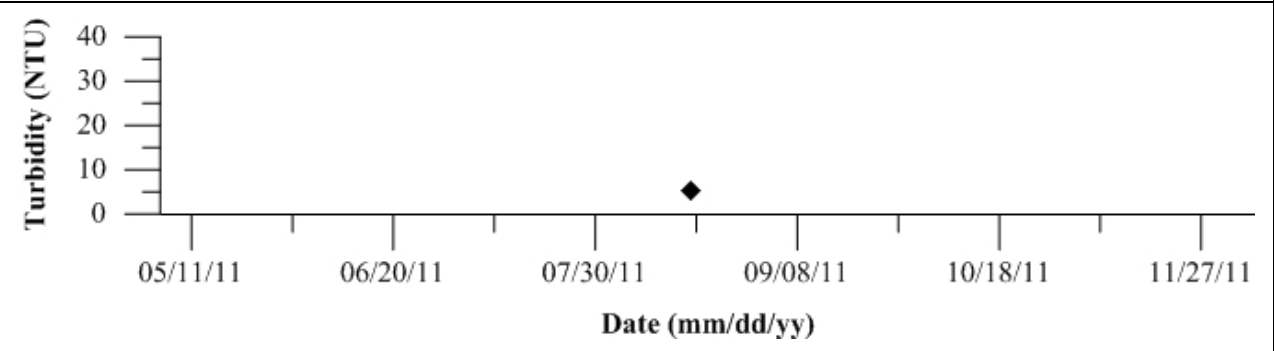


Figure 201: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

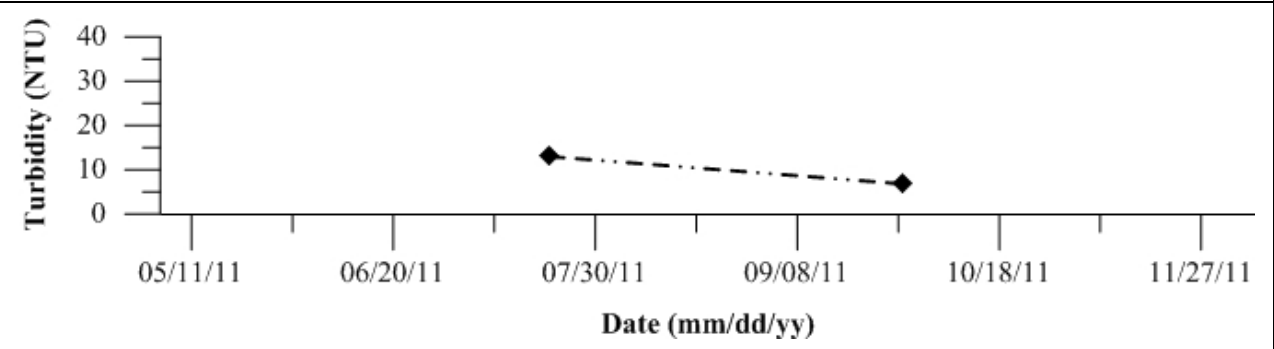


Figure 202: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

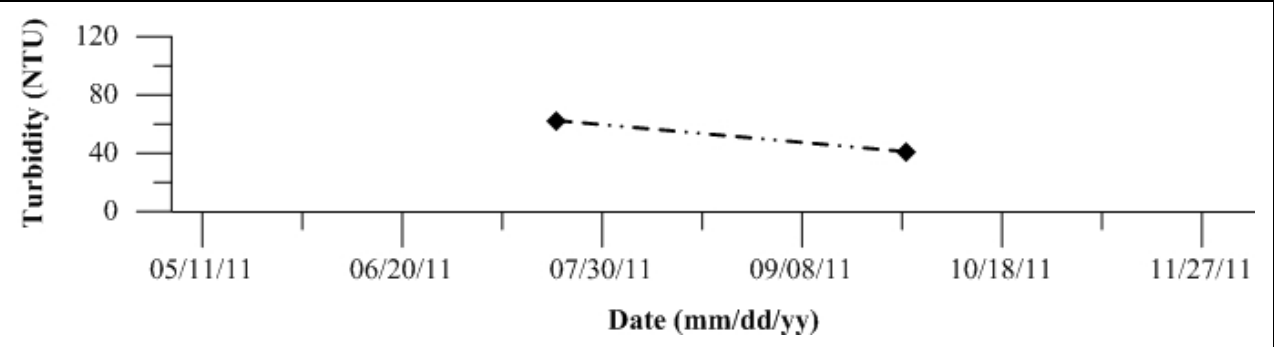


Figure 203: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

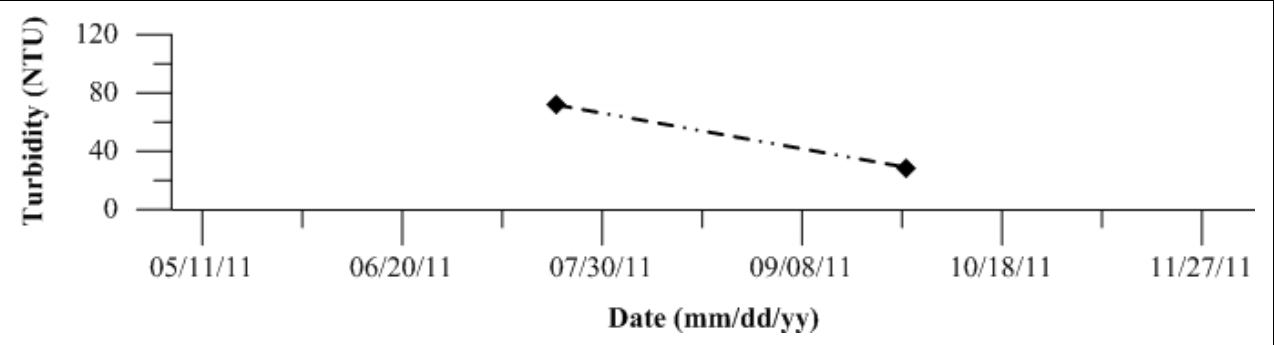


Figure 204: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

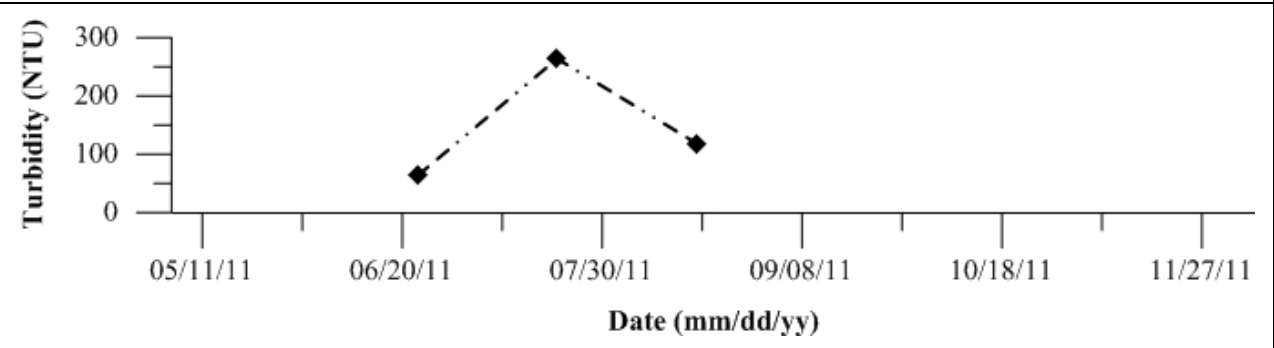


Figure 205: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

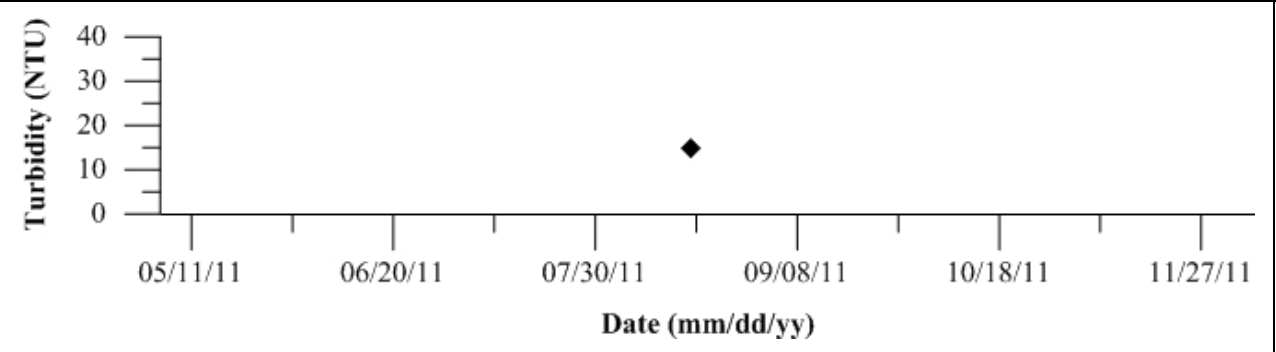


Figure 206: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

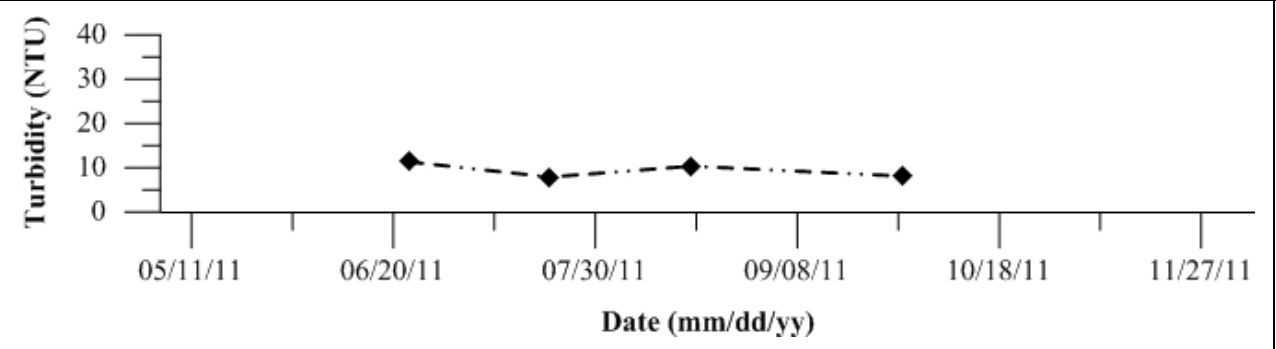


Figure 207: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

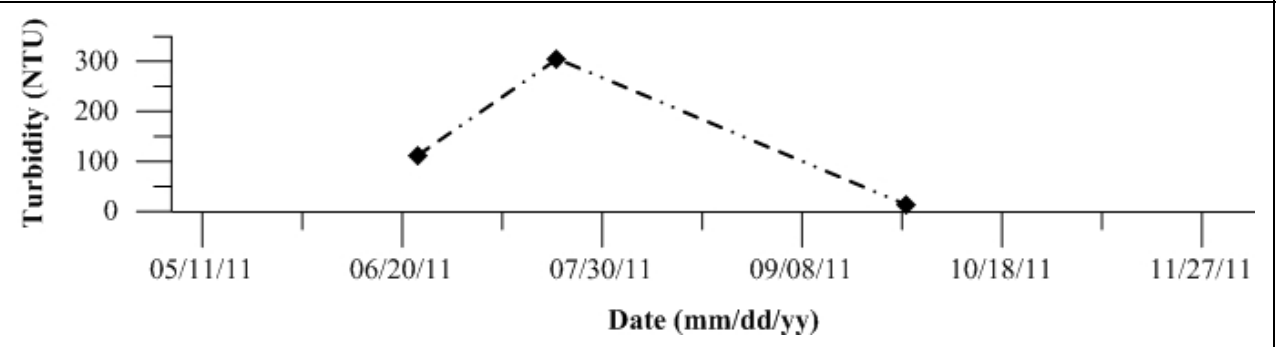


Figure 208: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

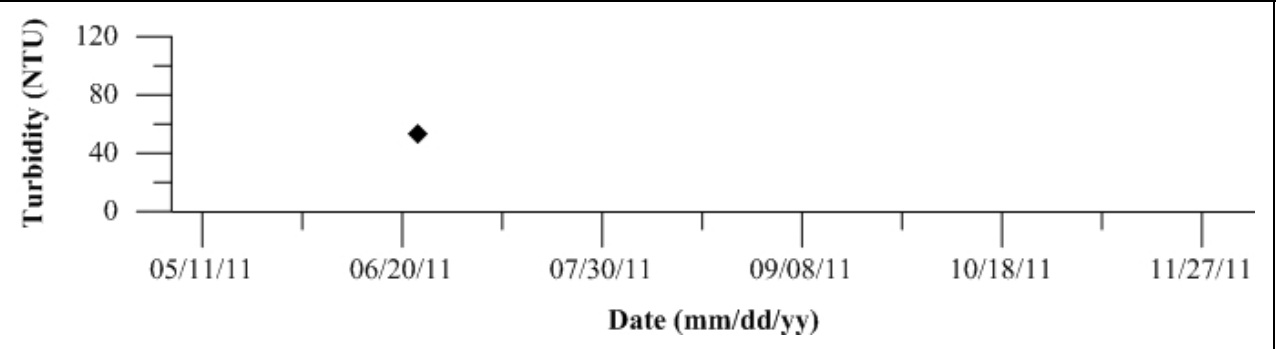


Figure 209: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

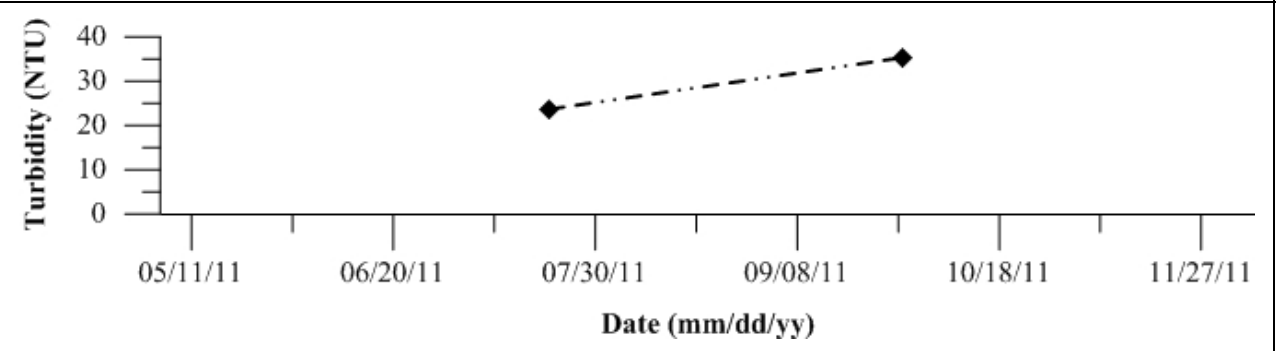


Figure 210: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

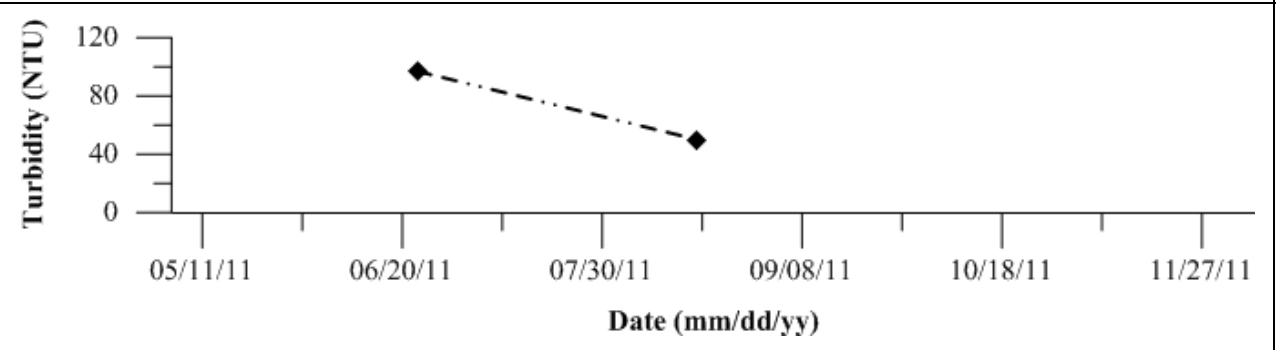


Figure 211: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

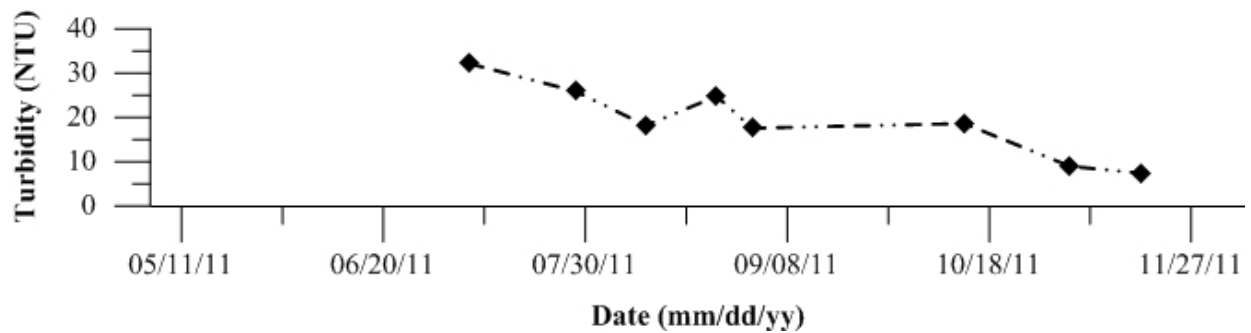


Figure 212: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

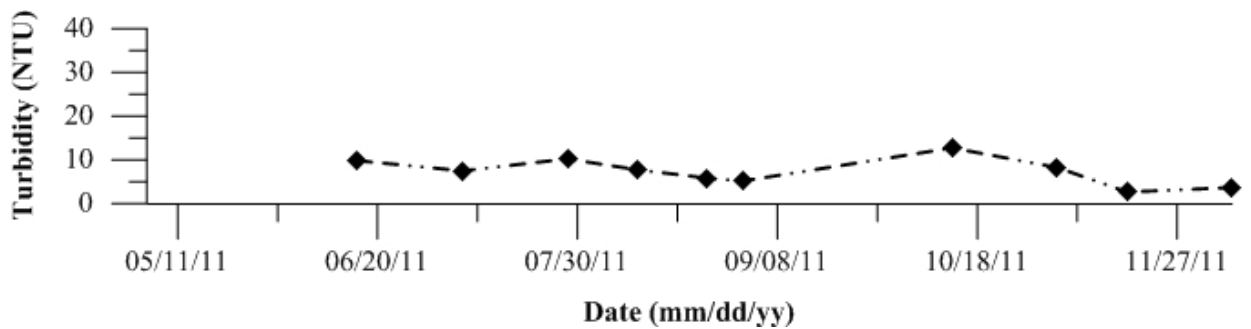


Figure 213: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

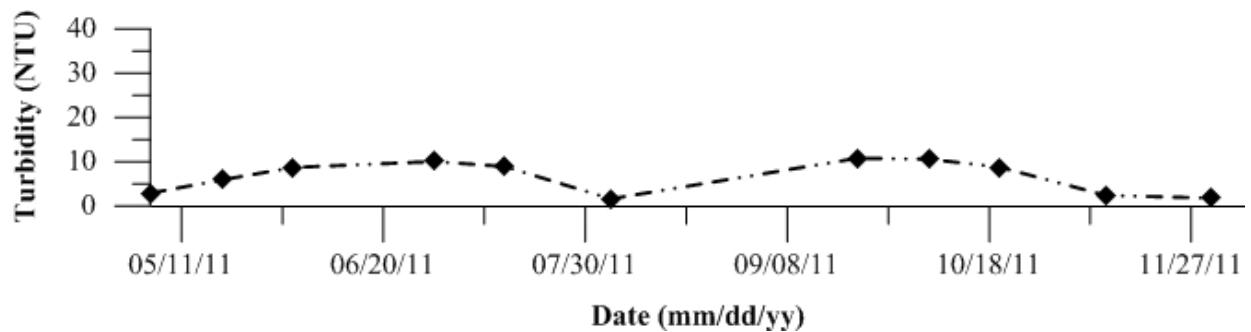


Figure 214: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

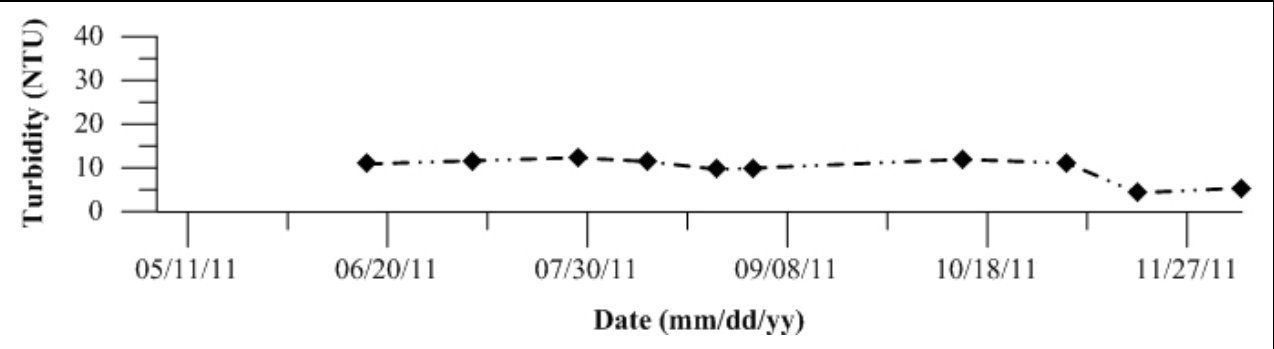


Figure 215: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

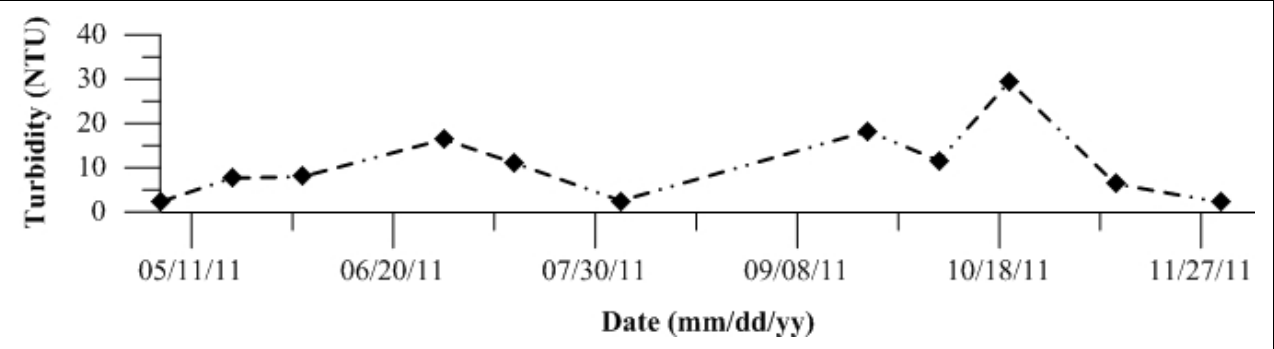


Figure 216: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

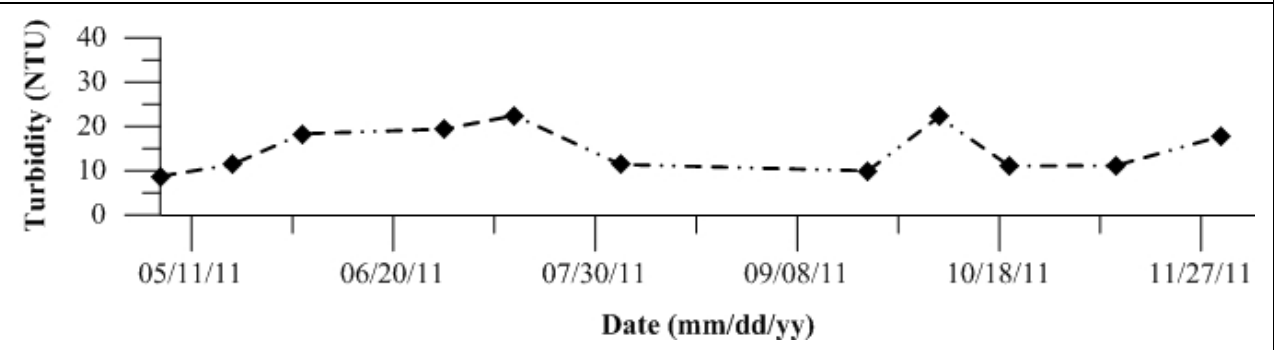


Figure 217: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

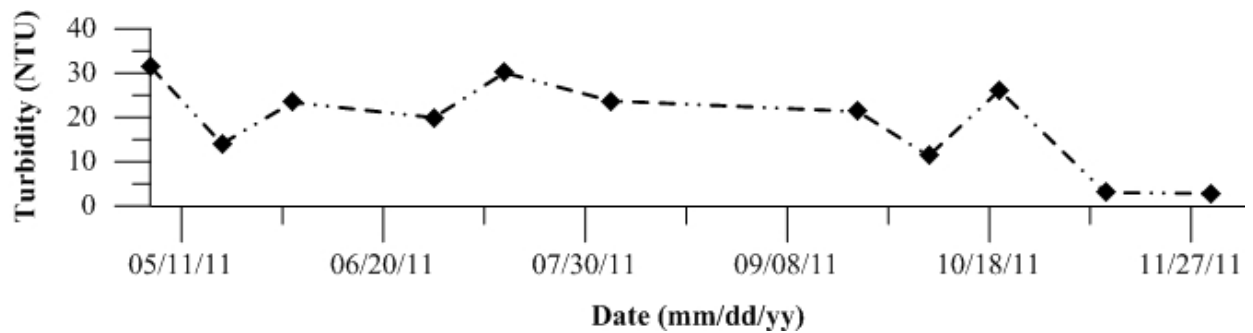


Figure 218: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

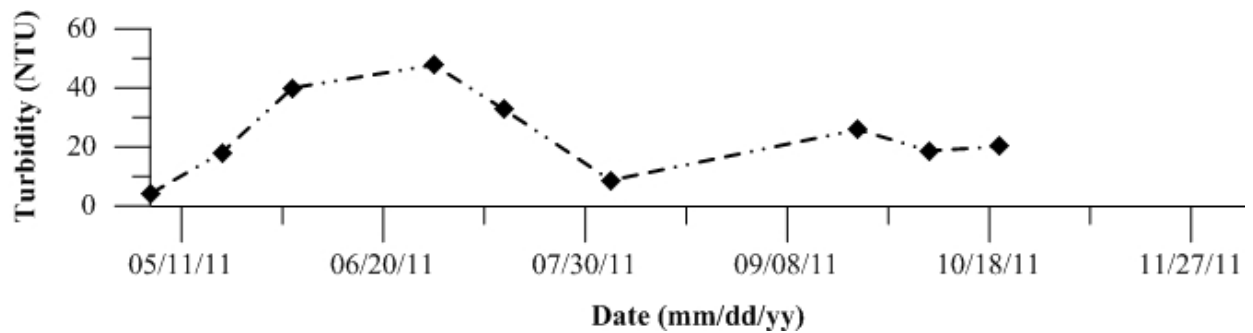


Figure 219: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

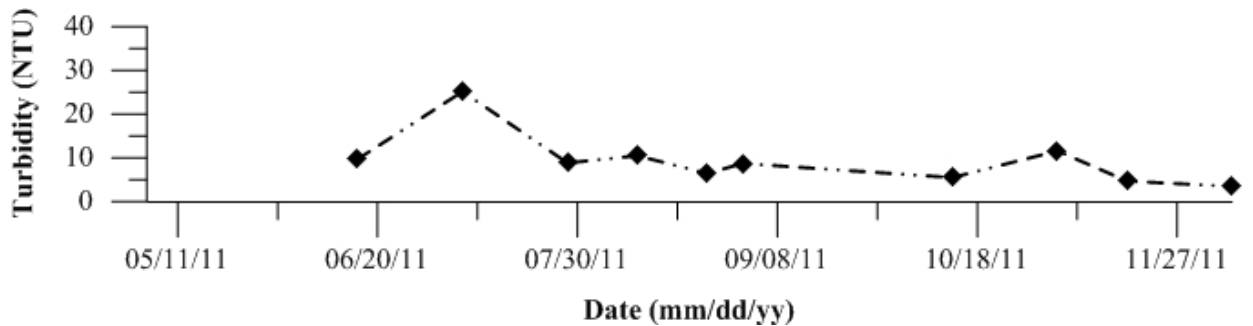


Figure 220: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

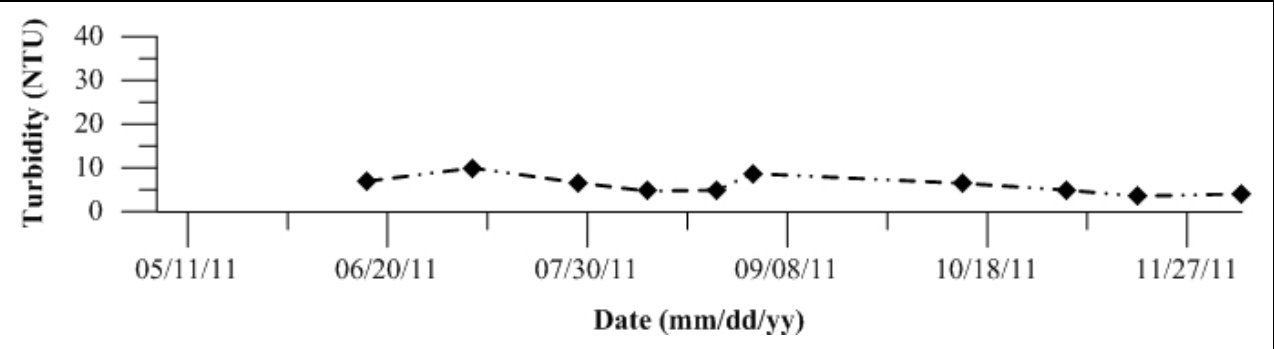


Figure 221: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

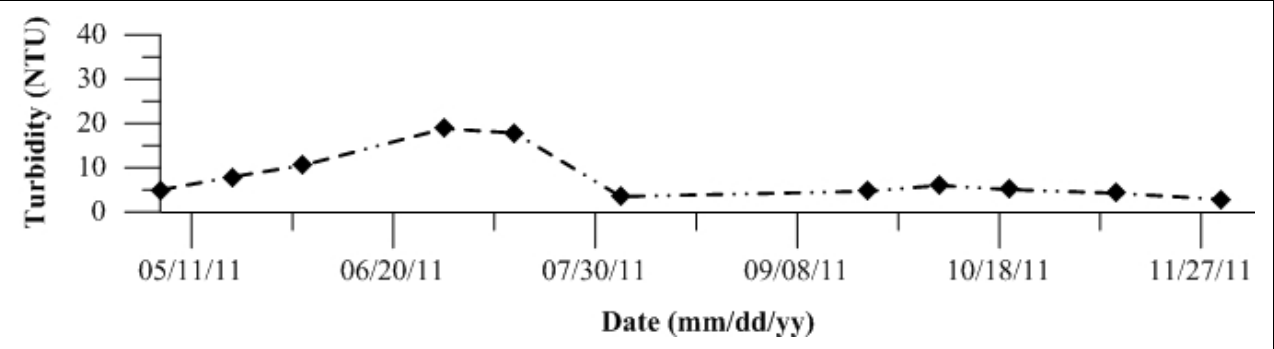


Figure 222: Grab sample pH as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

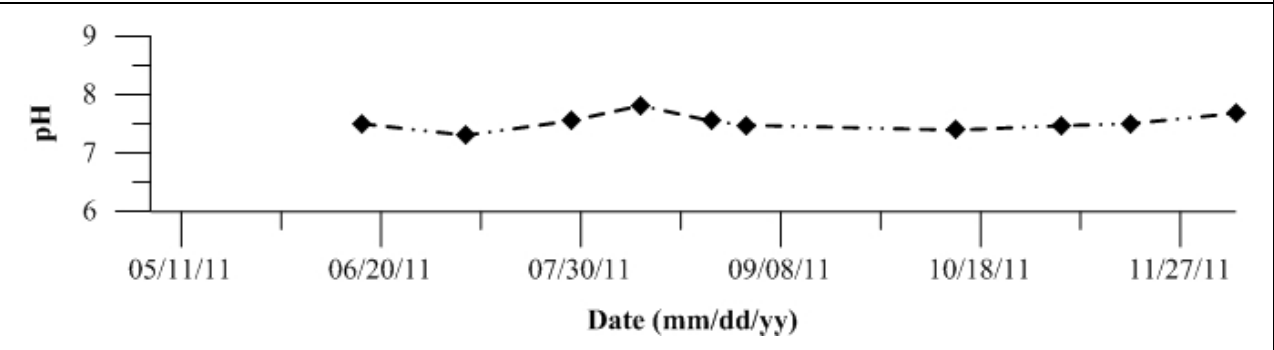


Figure 223: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

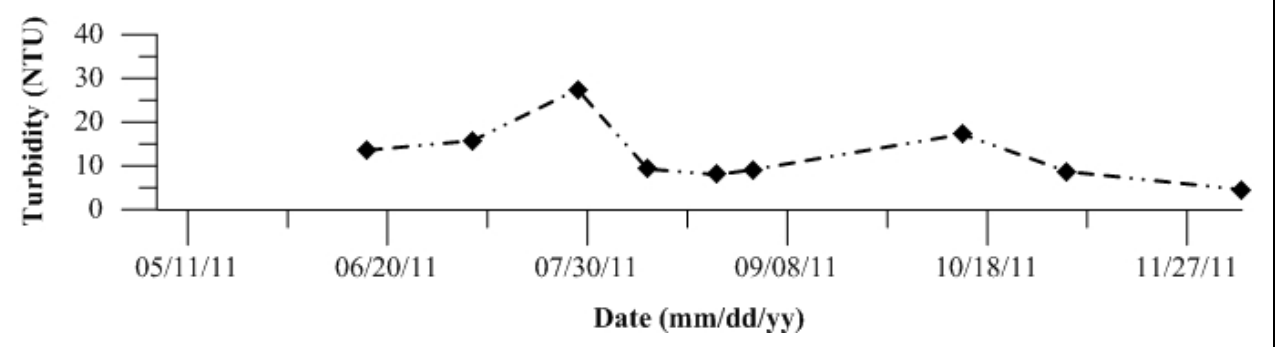
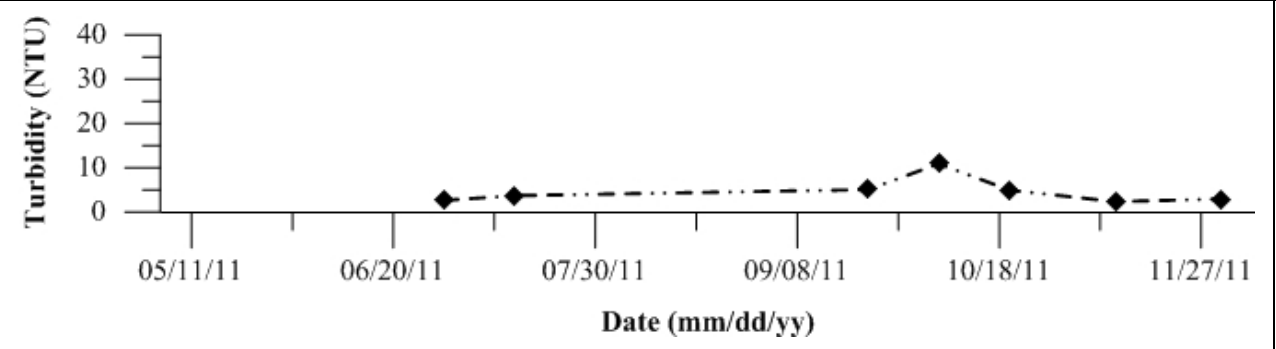


Figure 224: Grab sample turbidity as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 225-256: Temporal plots of phycocyanin Blue-Green Algae (BGA) concentration by Site ID

Figure 225: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

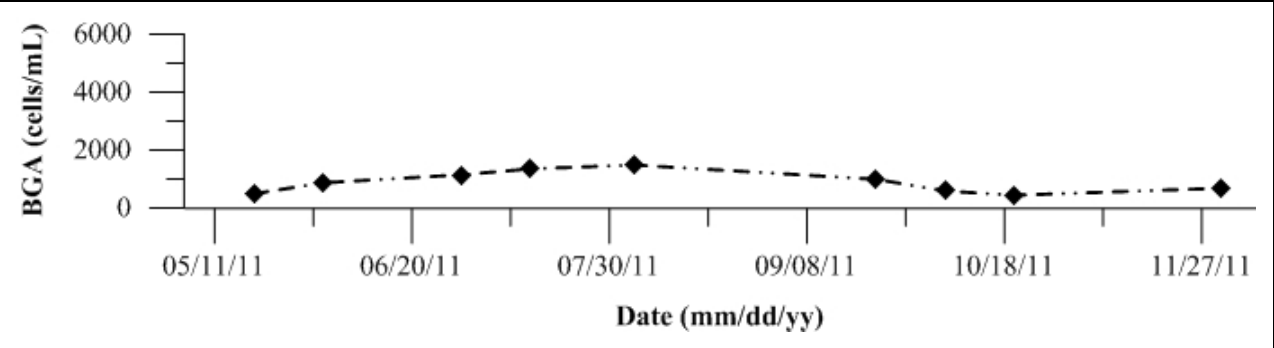


Figure 226: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

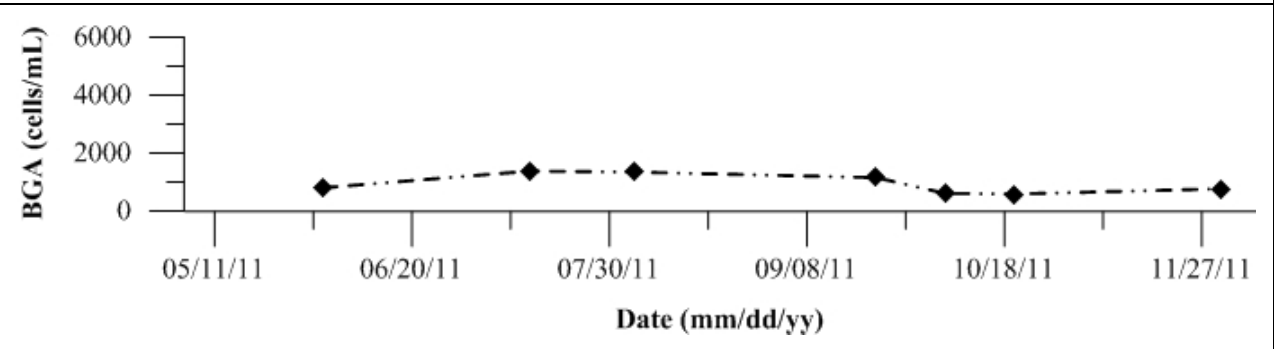


Figure 227: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

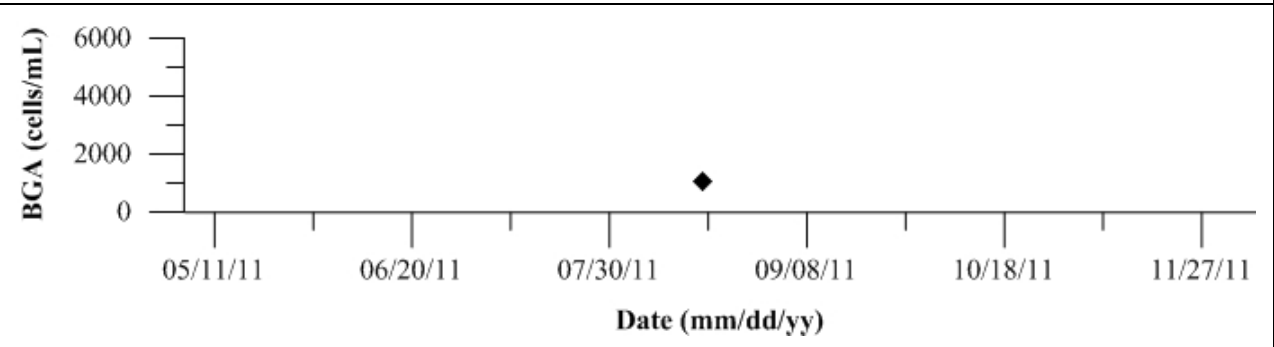


Figure 228: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

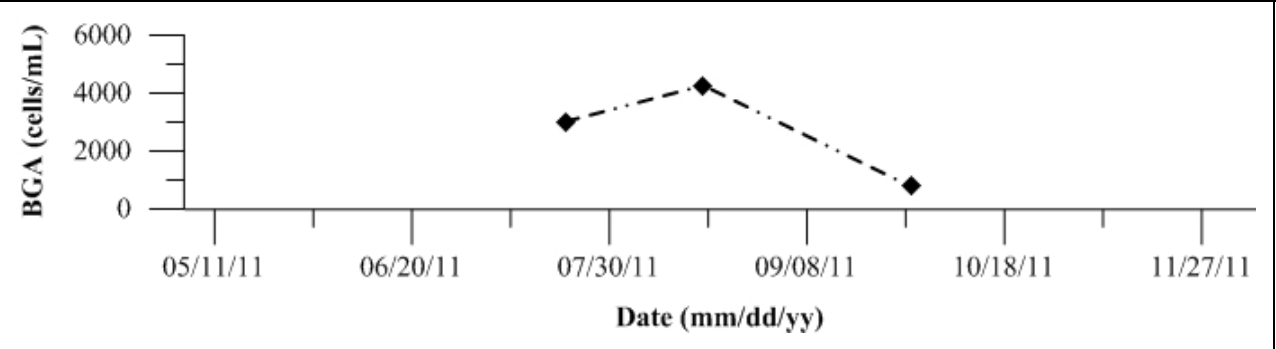


Figure 229: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

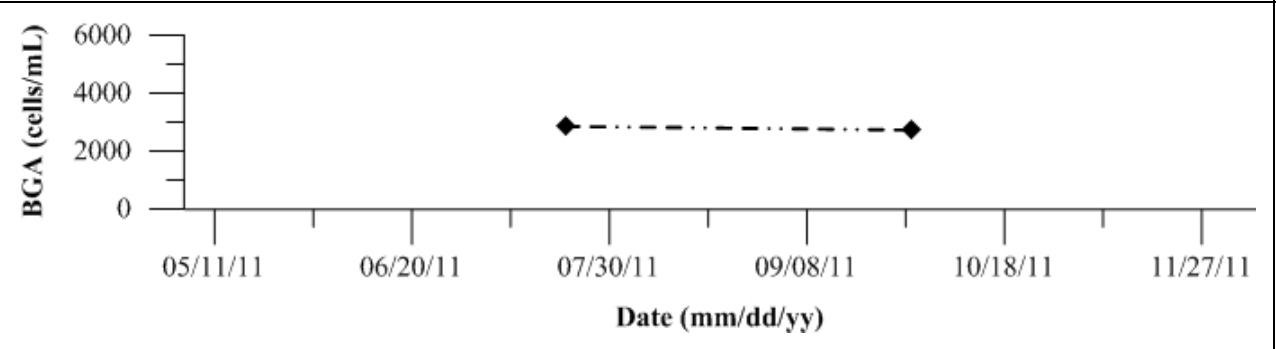


Figure 230: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

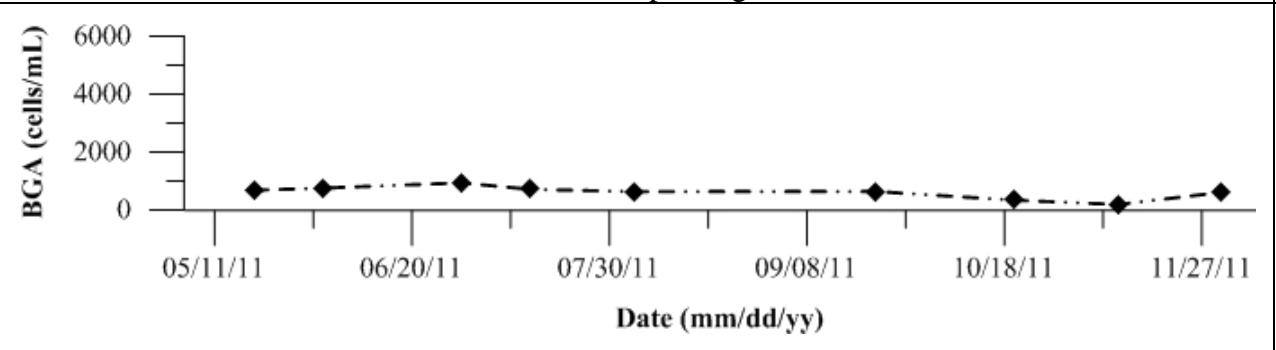


Figure 231: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

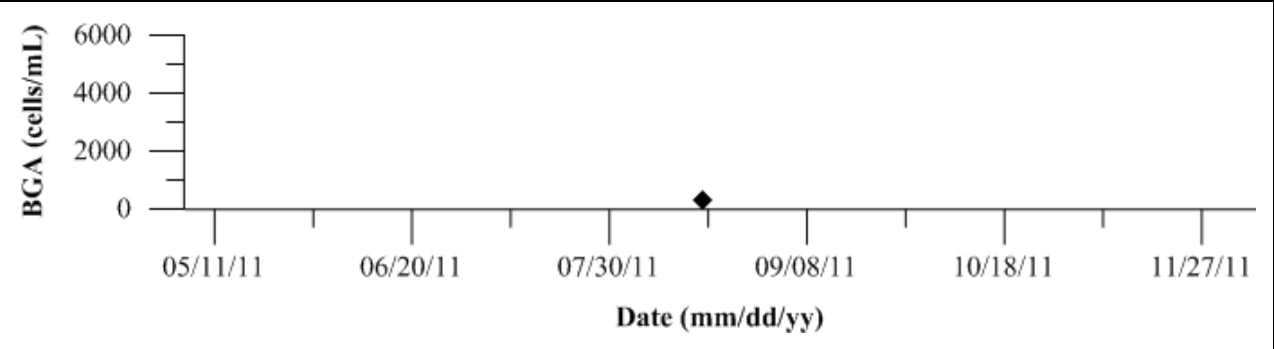


Figure 232: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

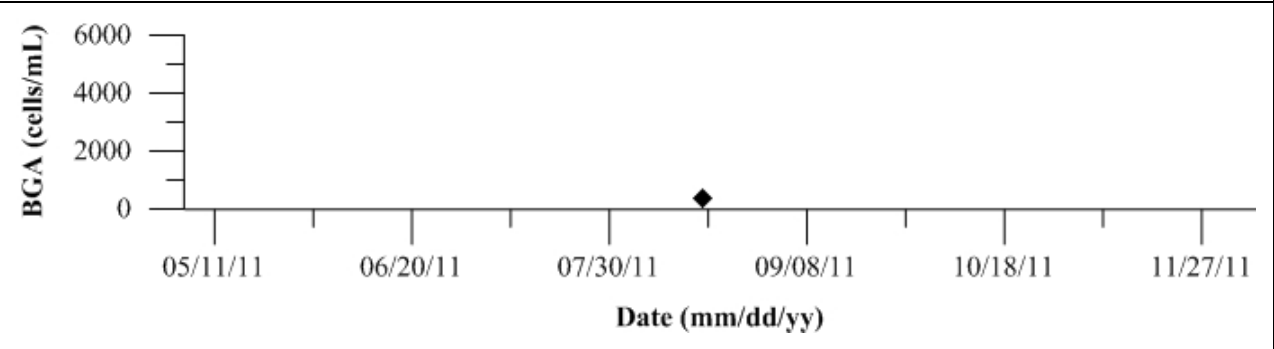


Figure 233: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

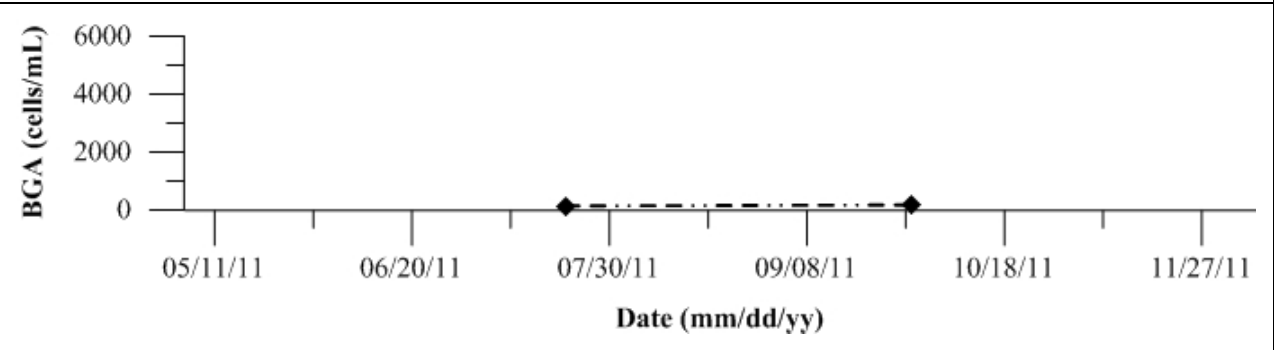


Figure 234: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

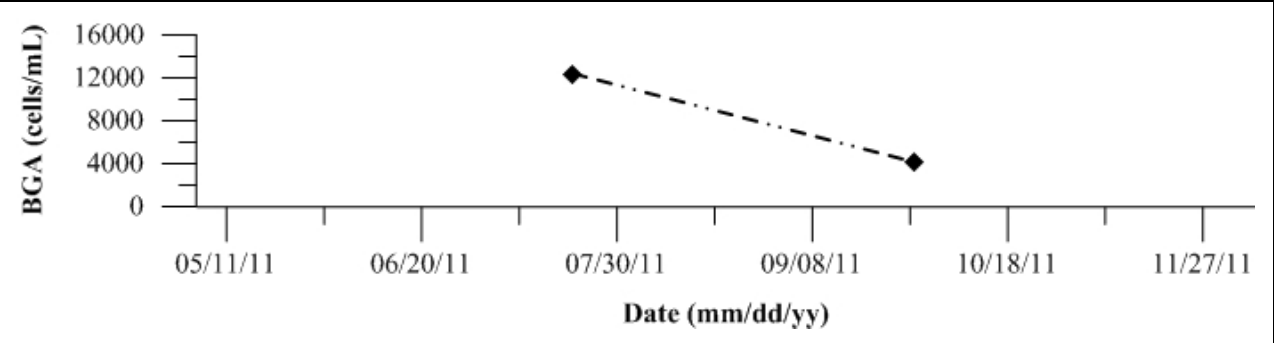


Figure 235: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

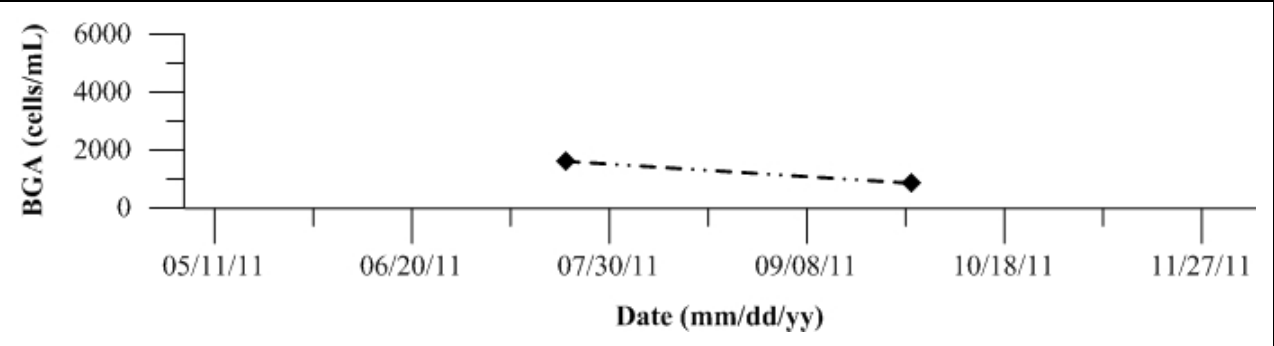


Figure 236: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

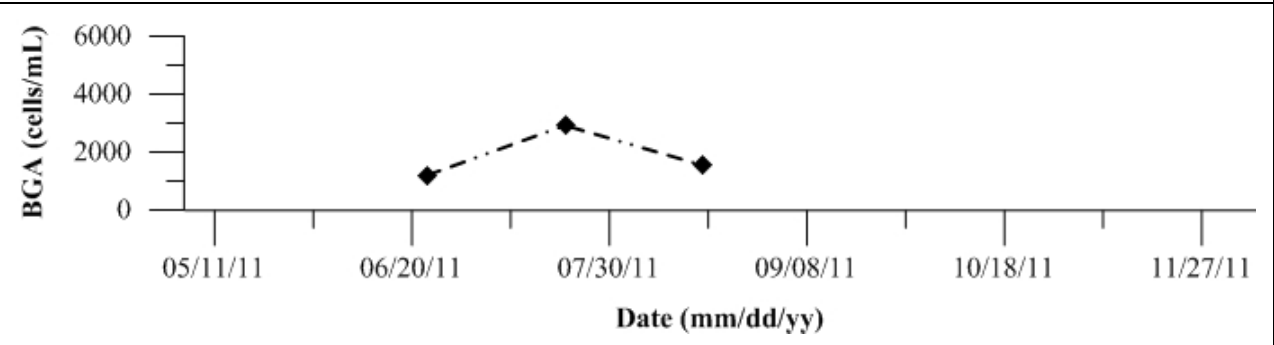


Figure 237: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

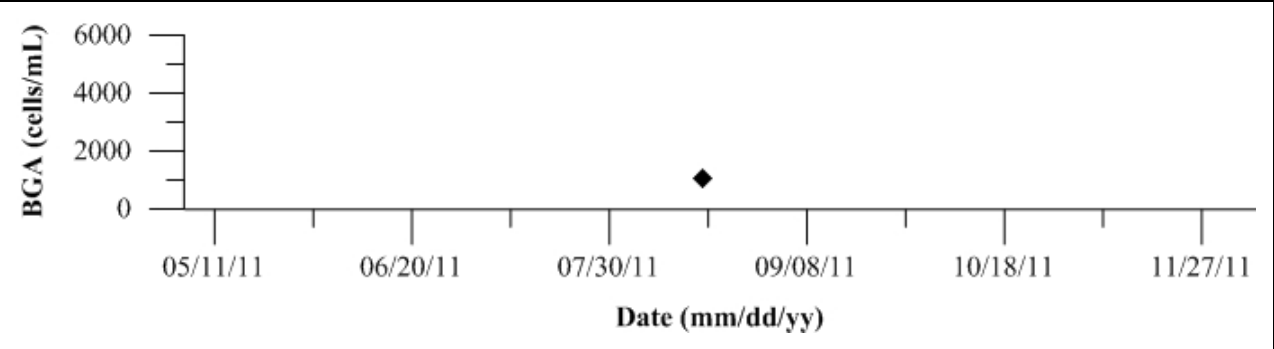


Figure 238: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

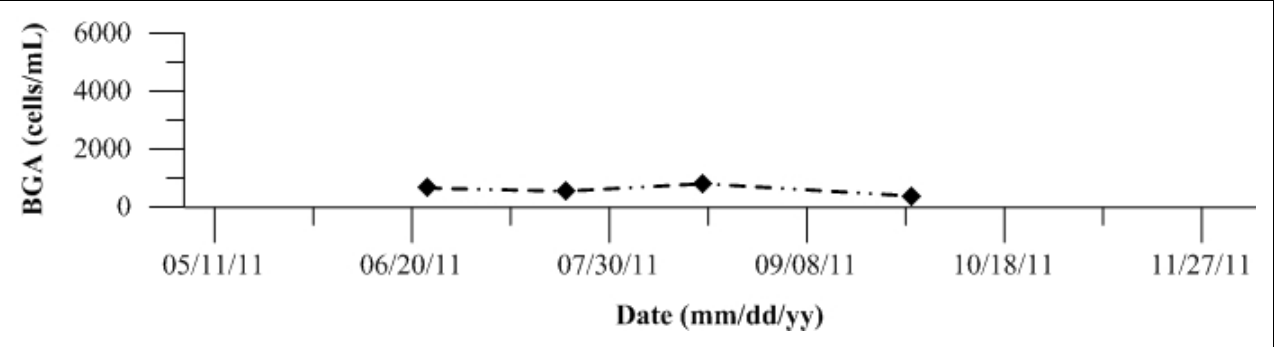


Figure 239: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

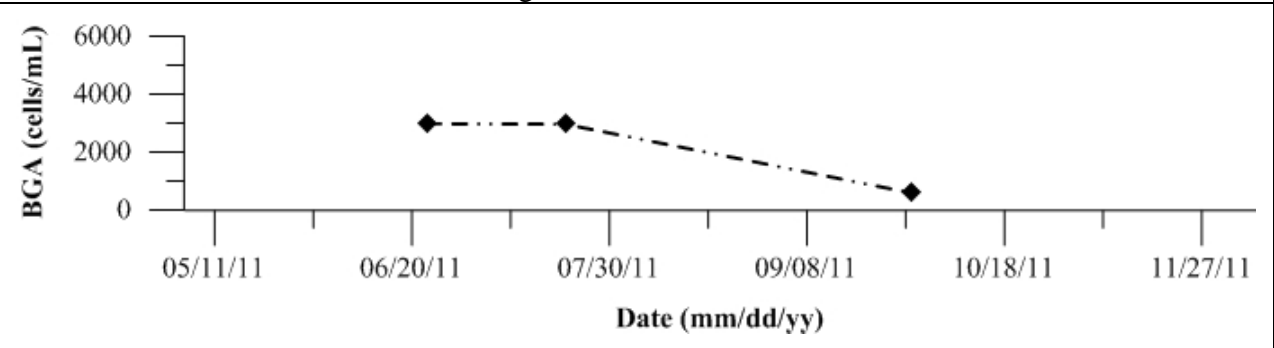


Figure 240: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

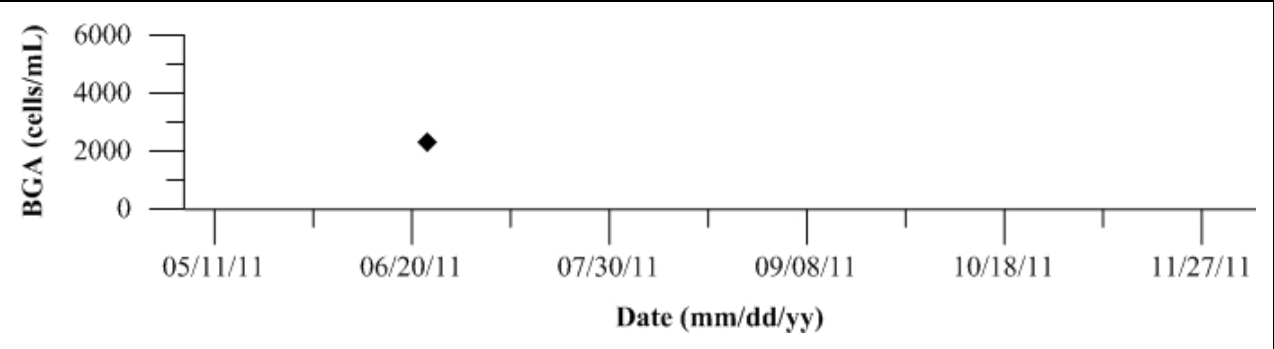


Figure 241: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

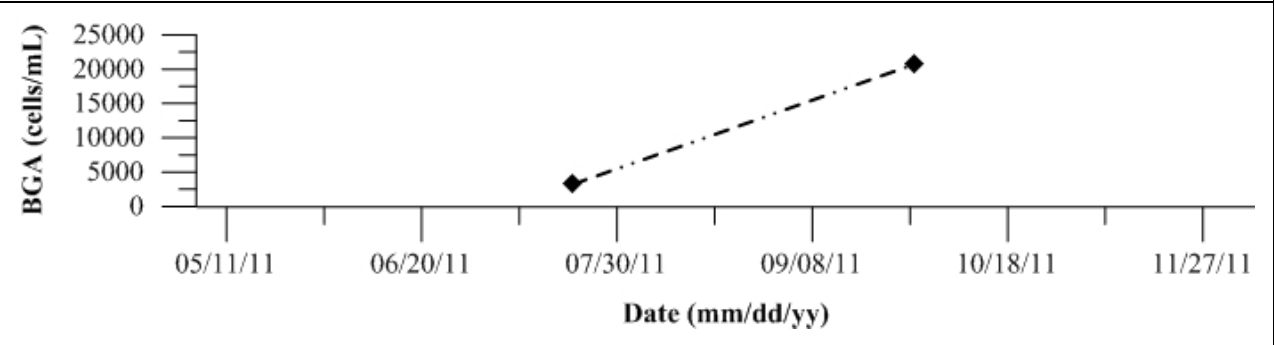


Figure 242: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

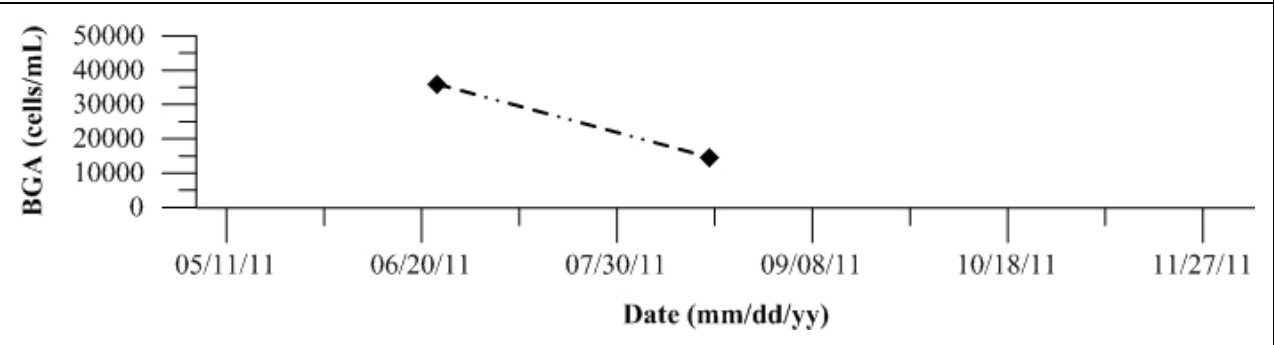


Figure 243: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

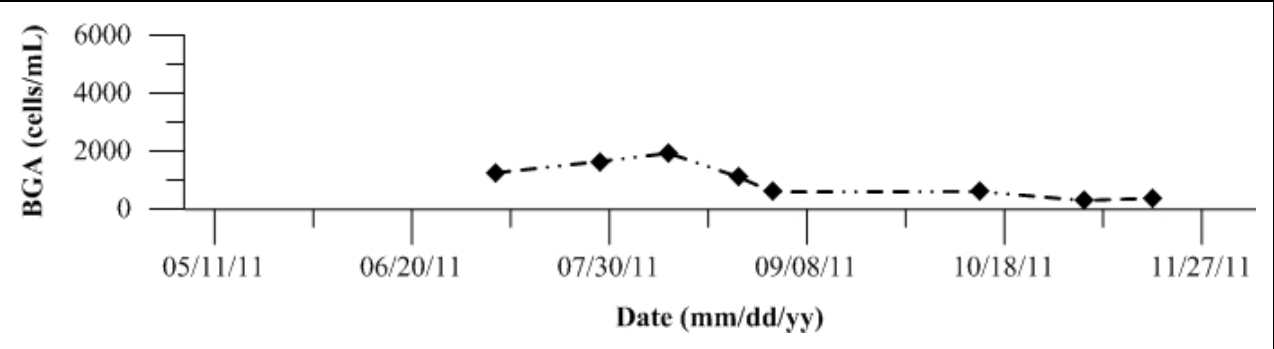


Figure 244: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

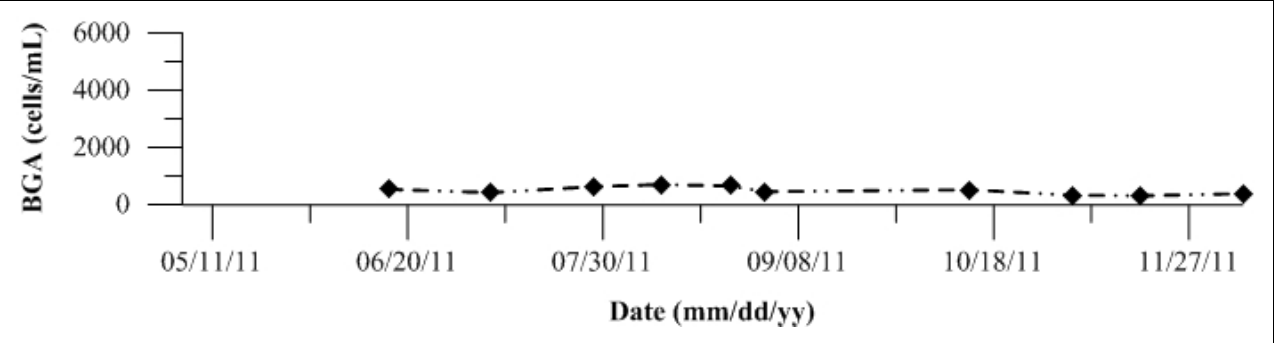


Figure 245: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

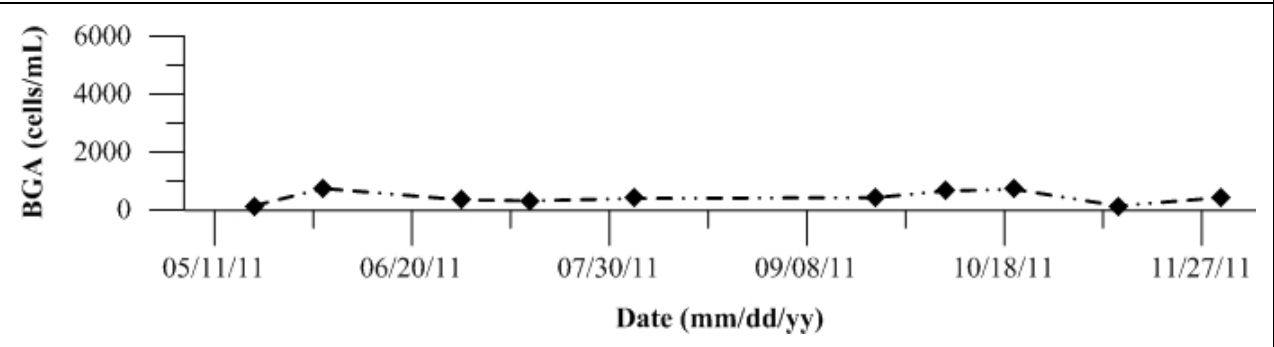


Figure 246: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

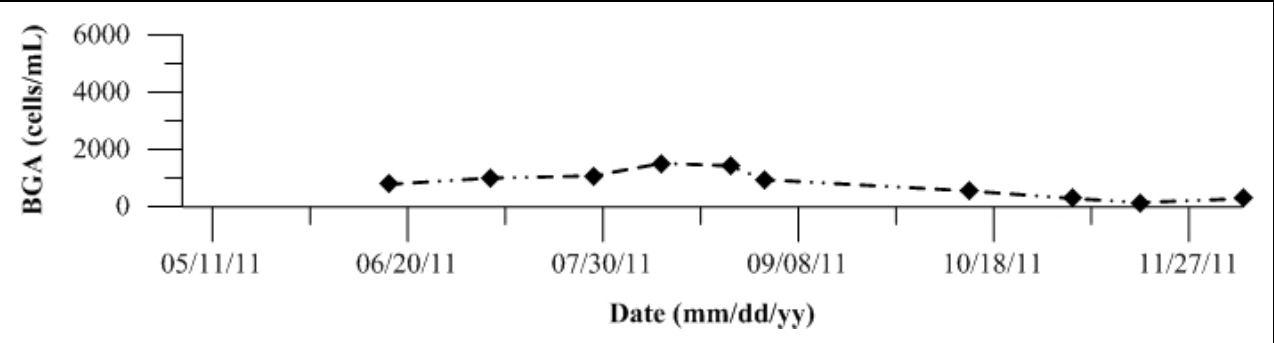


Figure 247: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

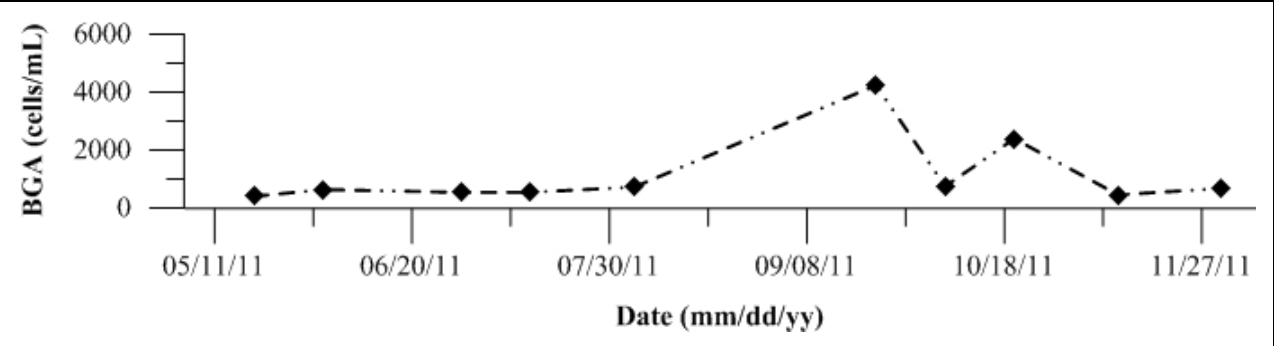


Figure 248: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

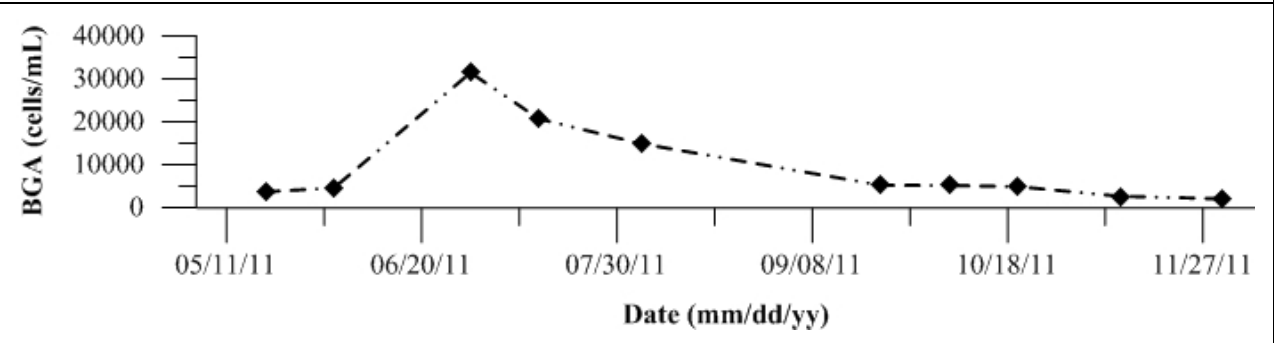


Figure 249: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

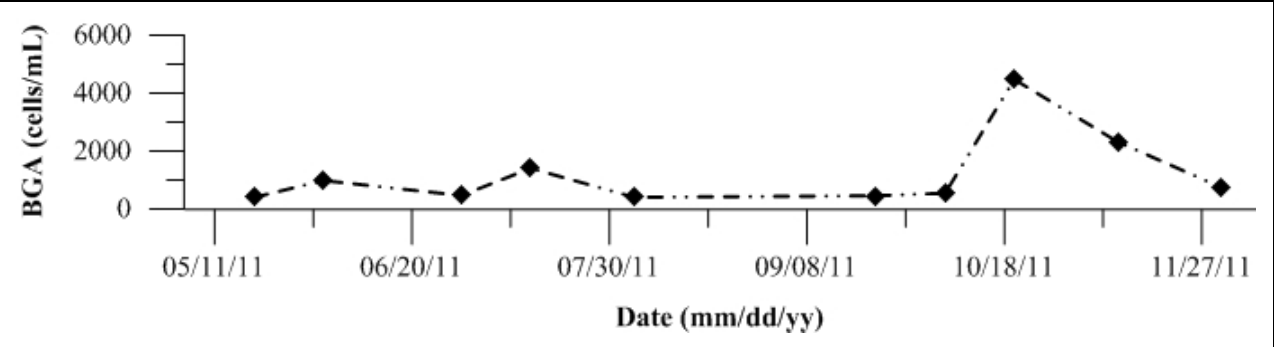


Figure 250: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

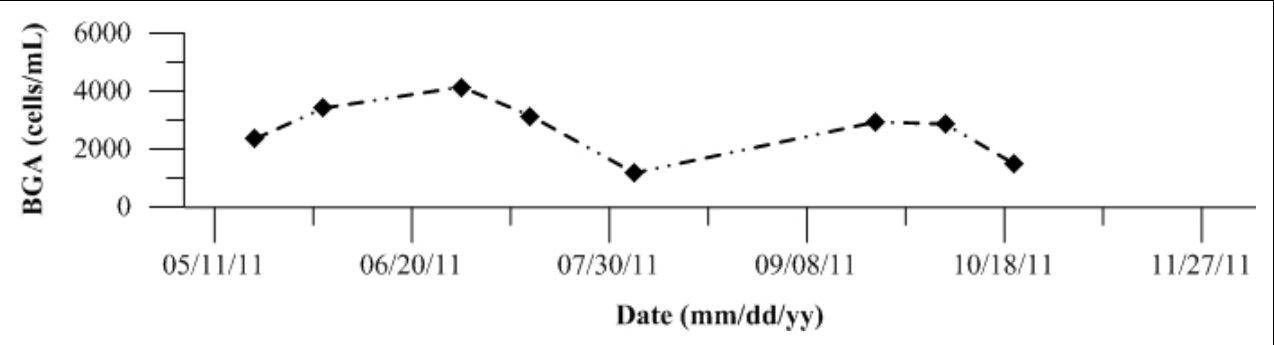


Figure 251: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

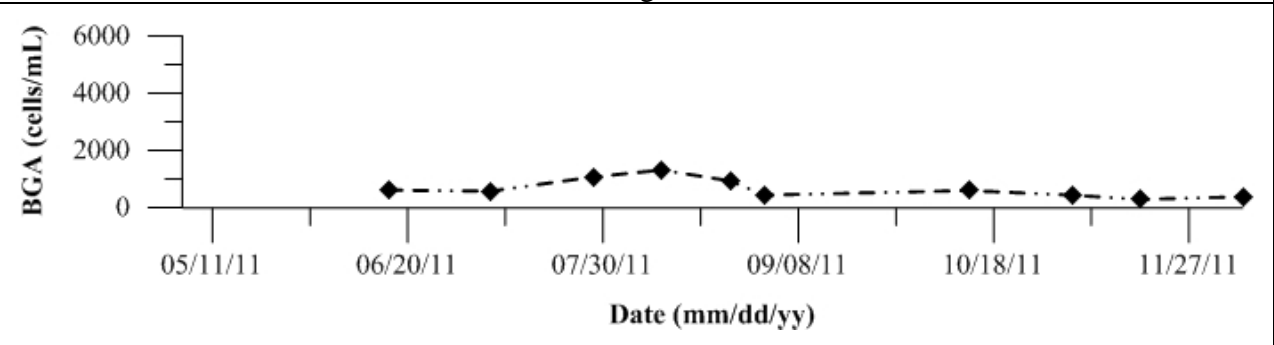


Figure 252: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

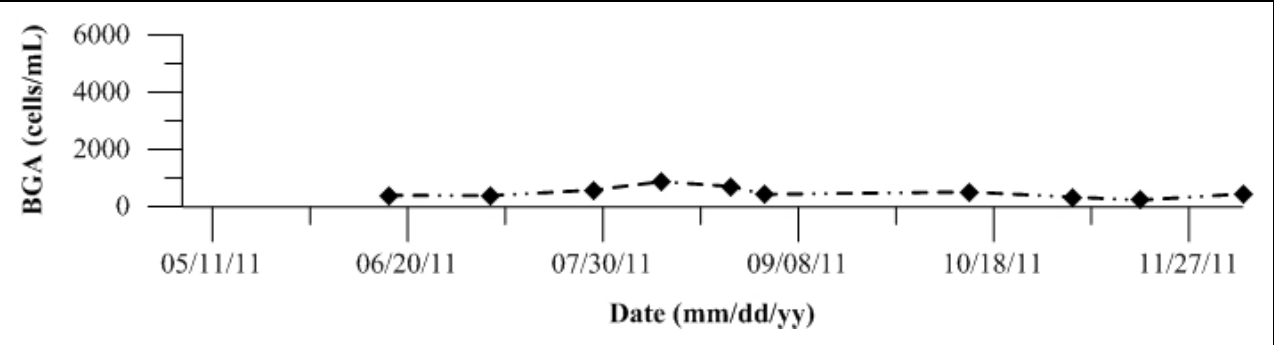


Figure 253: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

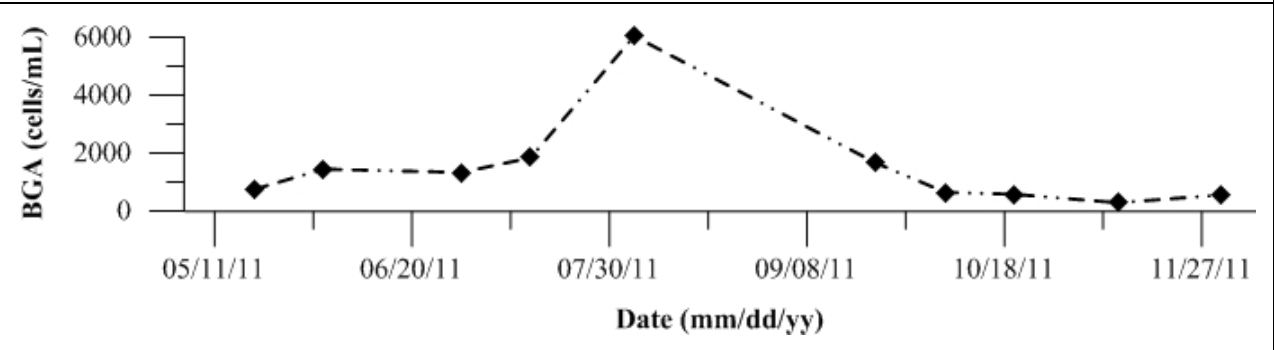


Figure 254: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

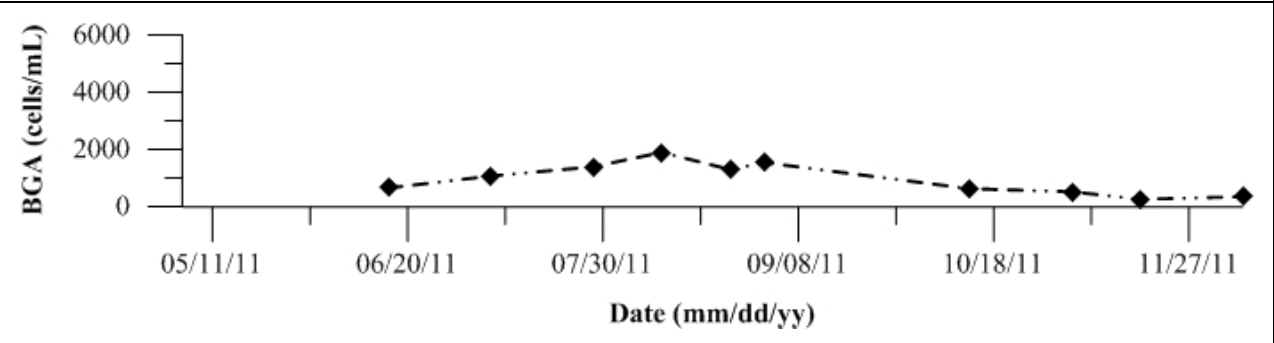


Figure 255: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

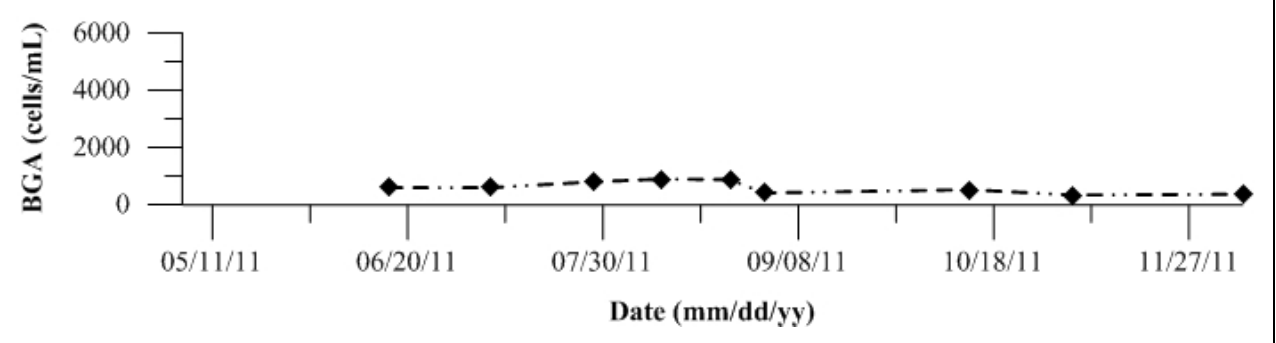
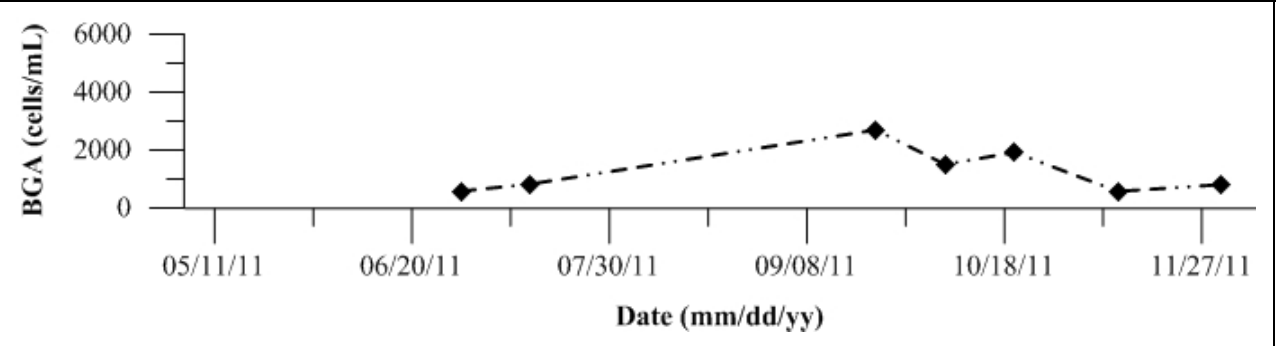


Figure 256: Grab sample phycocyanin Blue-Green Algae (BGA) concentration as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 257-288: Temporal plots of phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) by Site ID

Figure 257: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2011.

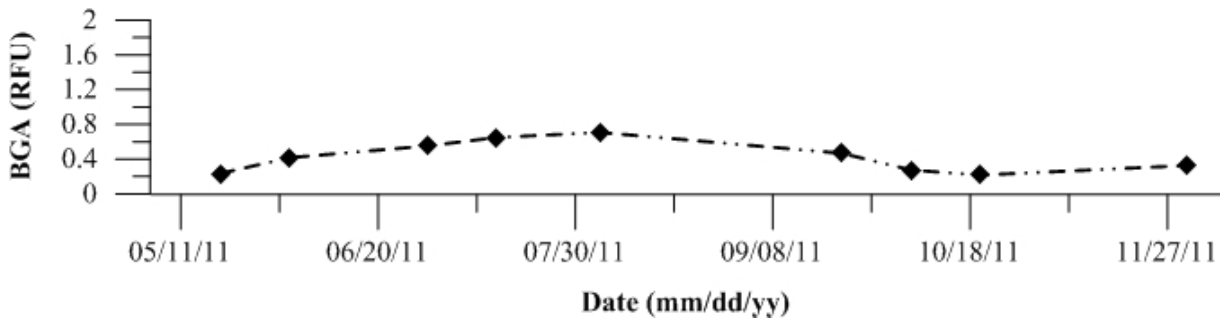


Figure 258: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2011.

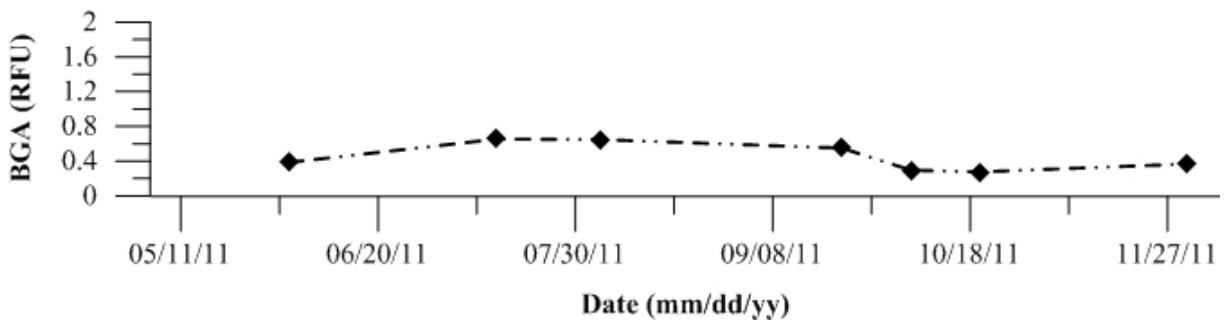


Figure 259: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 5 SJR at McCune Station. Data collected in 2011.

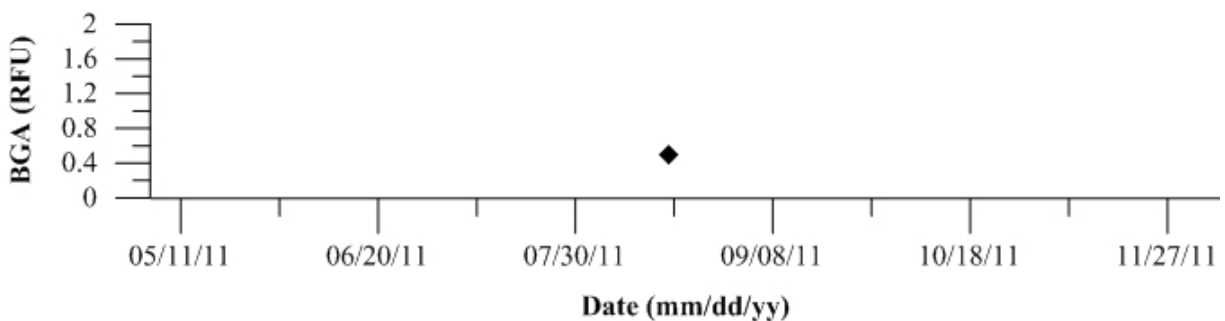


Figure 260: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2011.

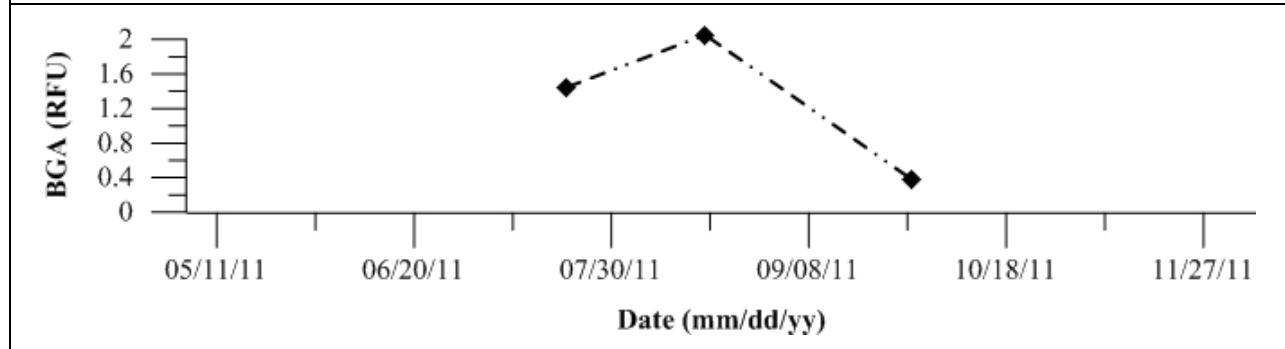


Figure 261: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2011.

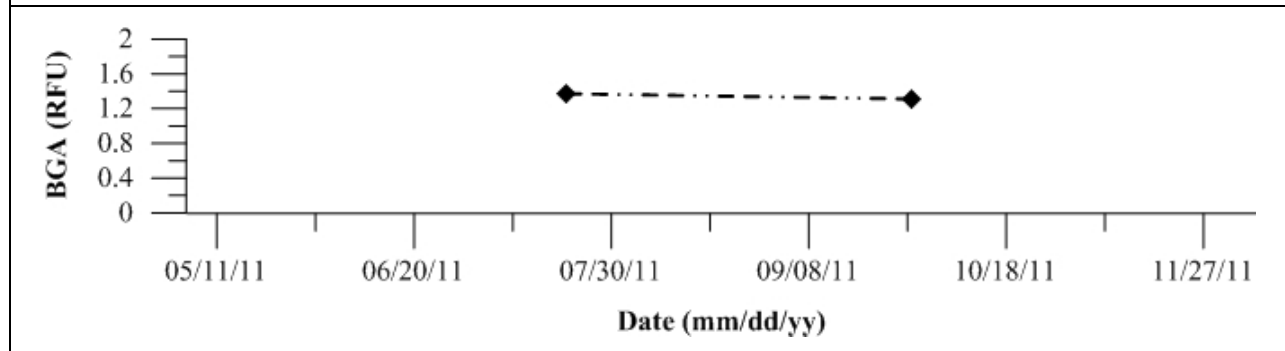


Figure 262: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2011.

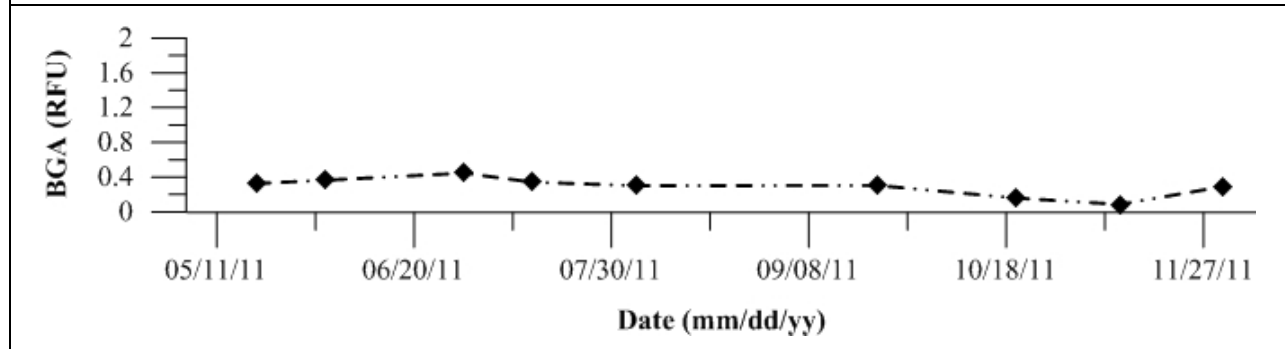


Figure 263: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

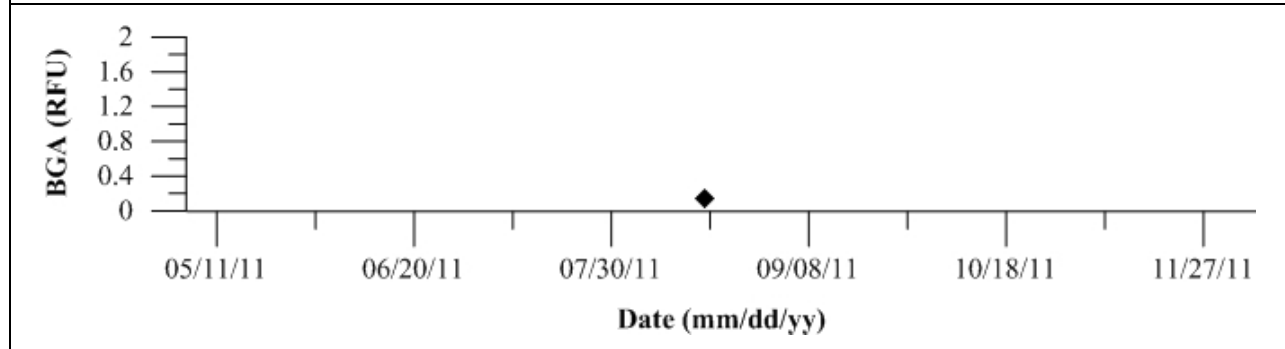


Figure 264: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

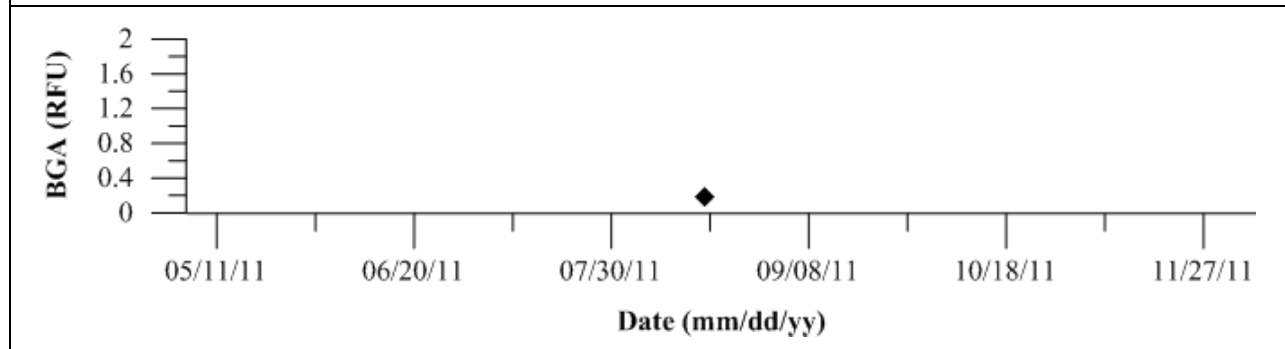


Figure 265: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2011.

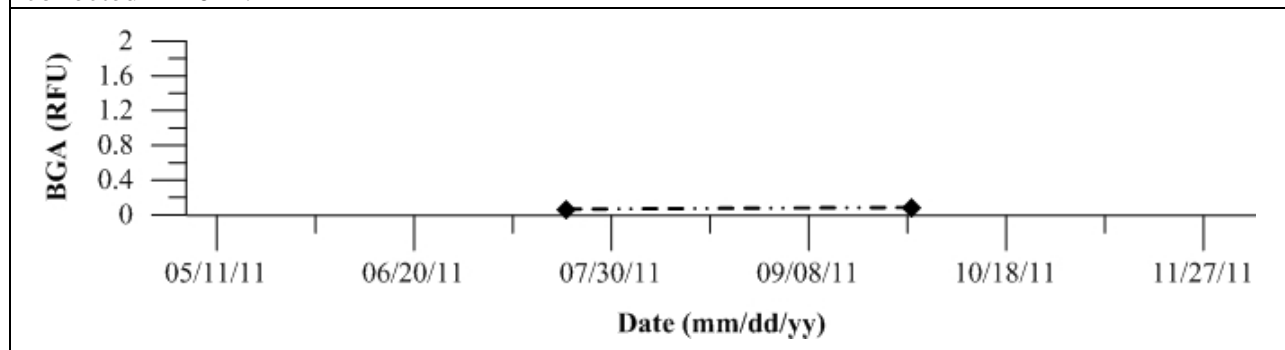


Figure 266: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2011.

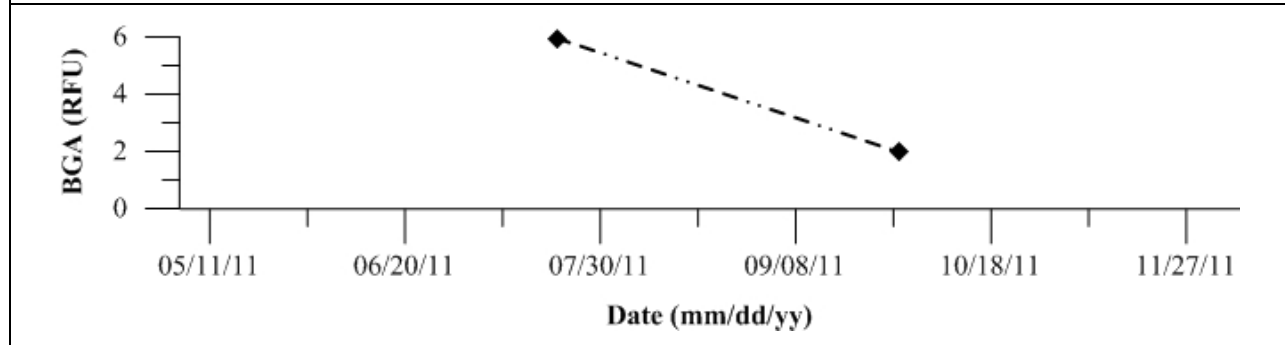


Figure 267: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

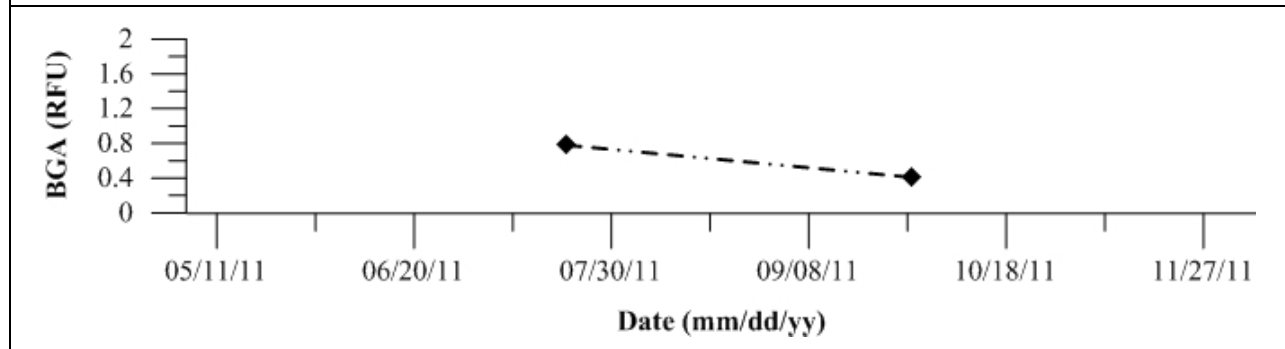


Figure 268: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2011.

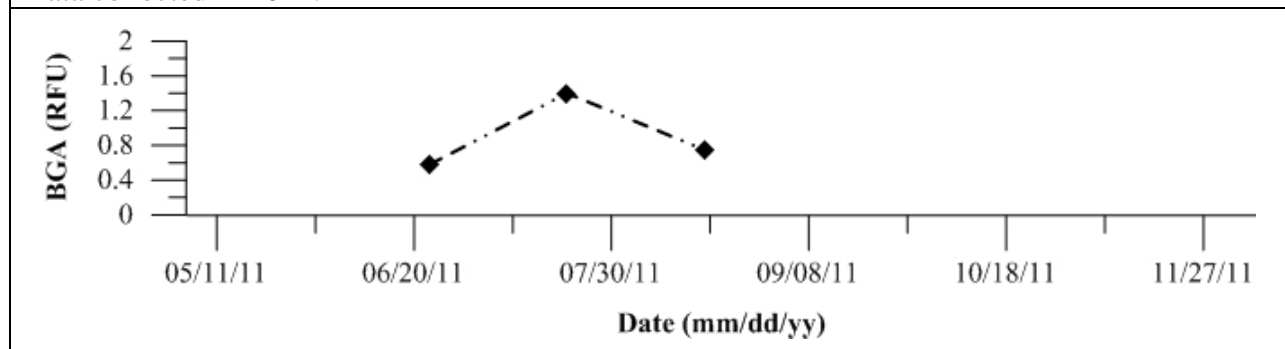


Figure 269: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units. Data collected in 2011. (RFU) as measured with a YSI 6600V2 data sonde for Site 25 Miller Lake at Stanislaus River

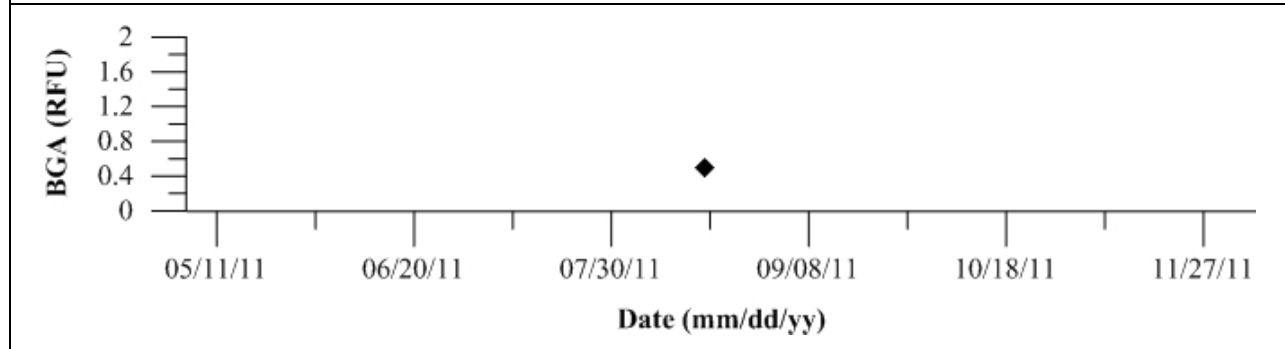


Figure 270: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

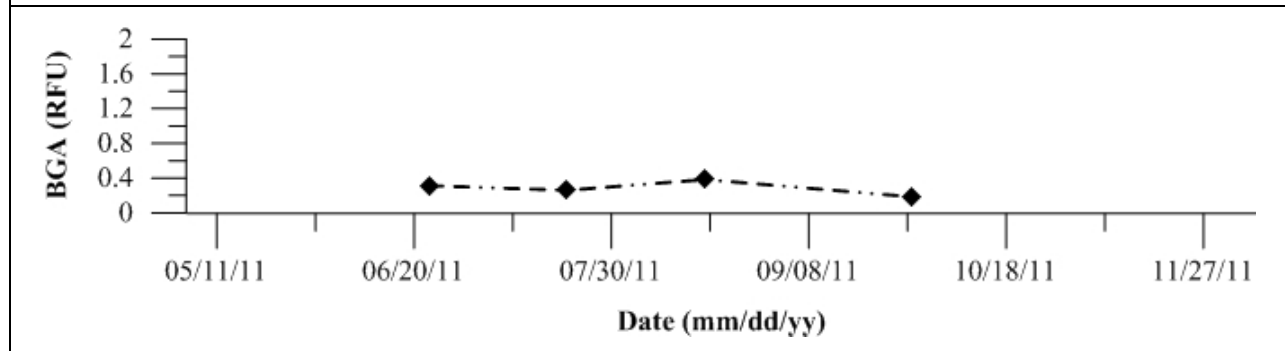


Figure 271: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2011.

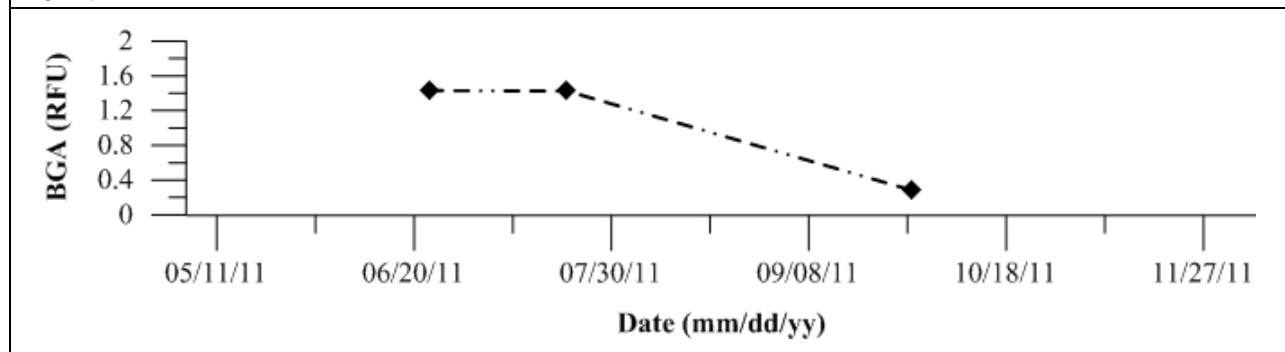


Figure 272: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 36 Del Puerto Creek. Data collected in 2011.

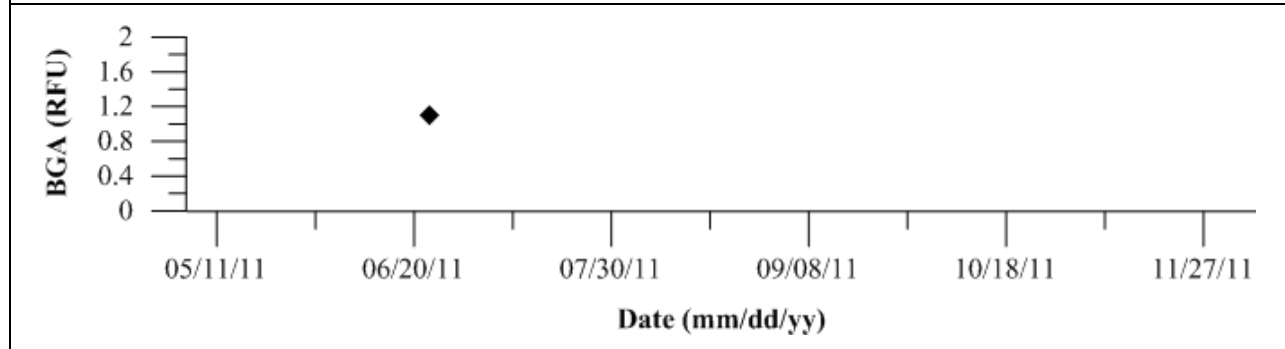


Figure 273: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2011.

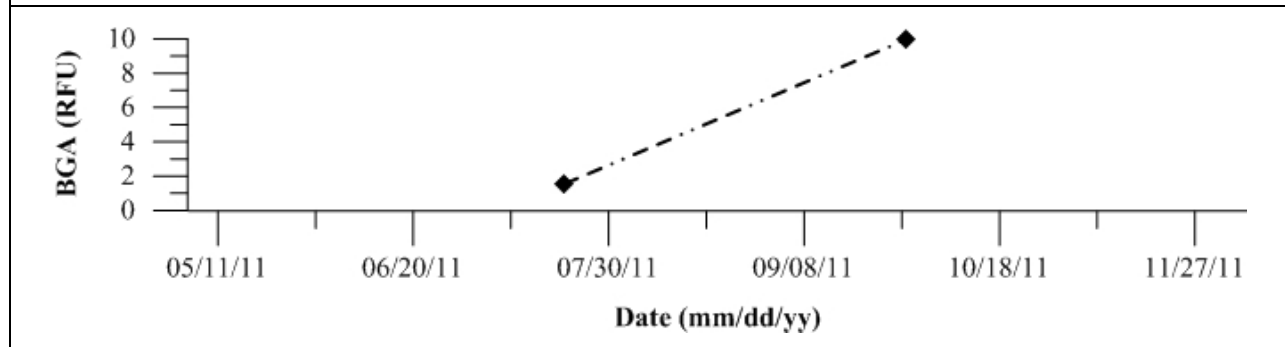


Figure 274: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 57 Ramona Lake. Data collected in 2011.

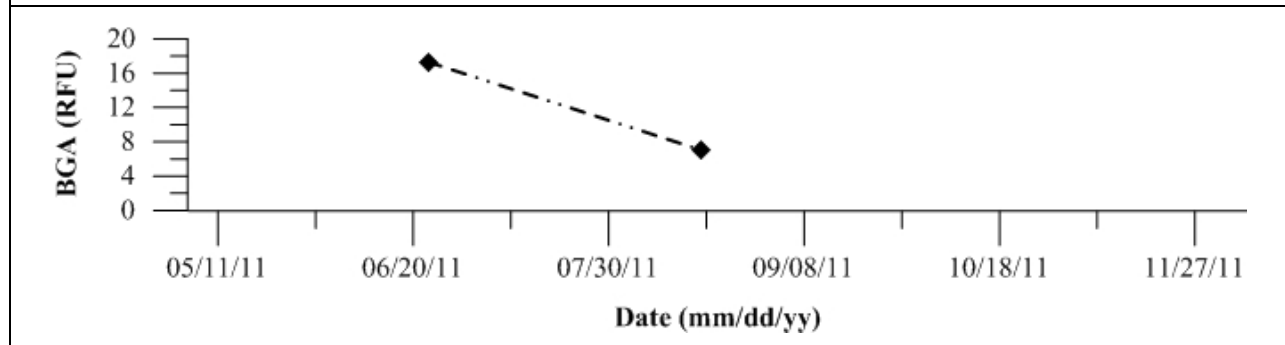


Figure 275: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2011.

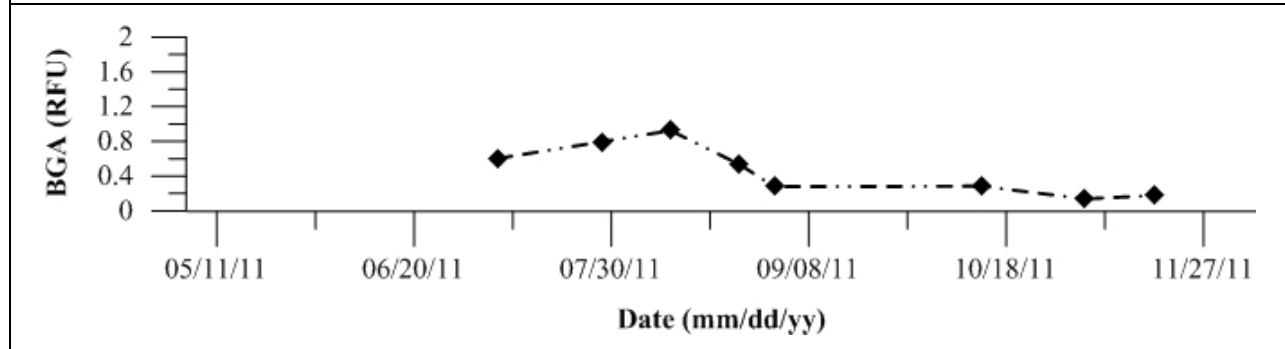


Figure 276: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2011.

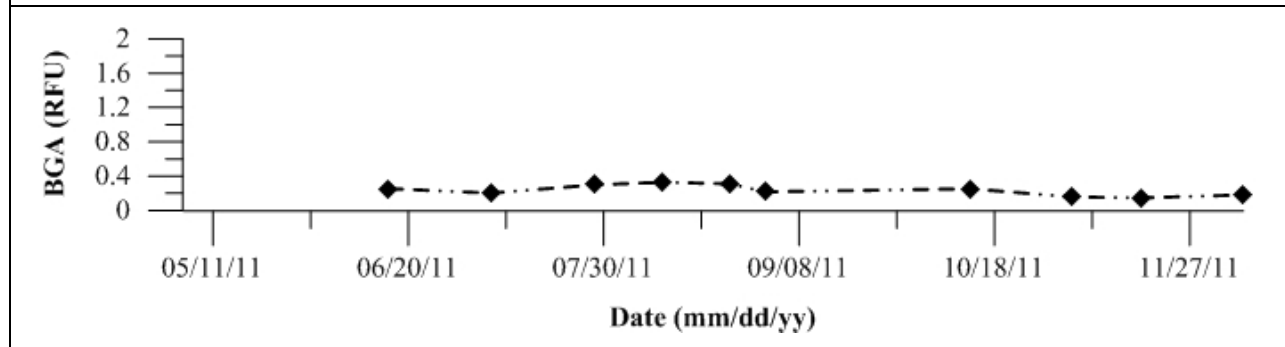


Figure 277: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2011.

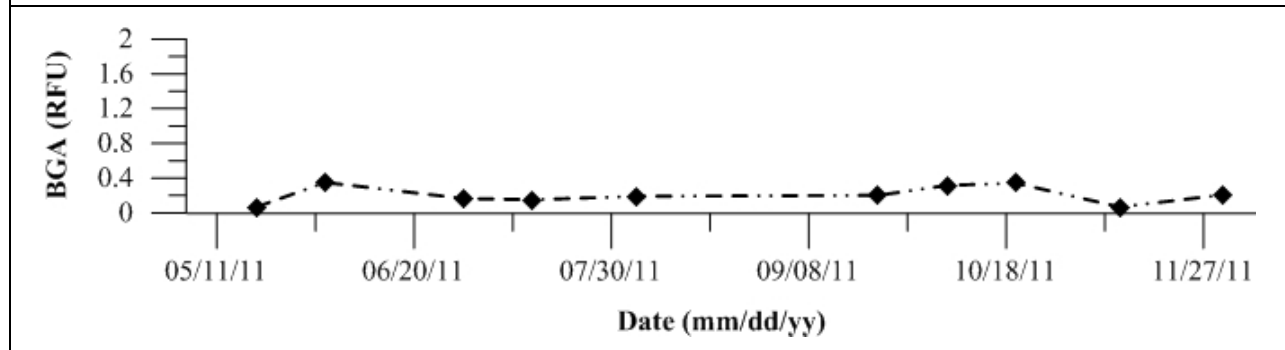


Figure 278: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

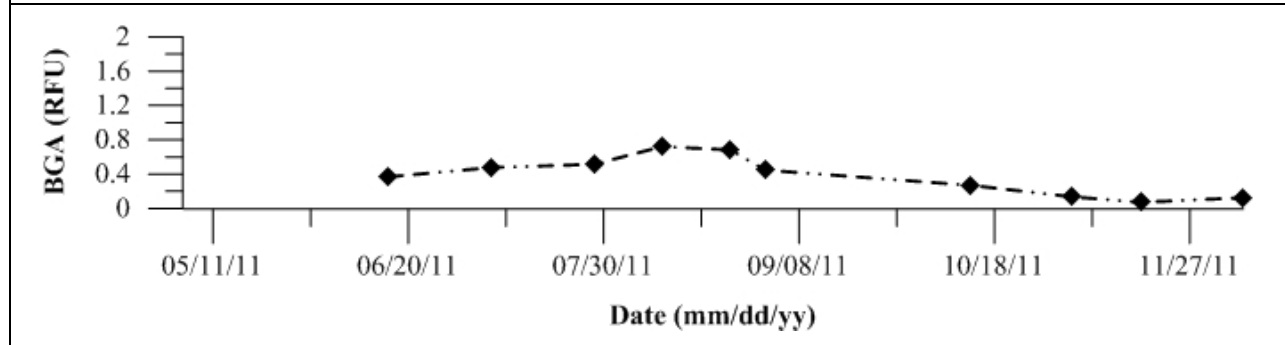


Figure 279: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

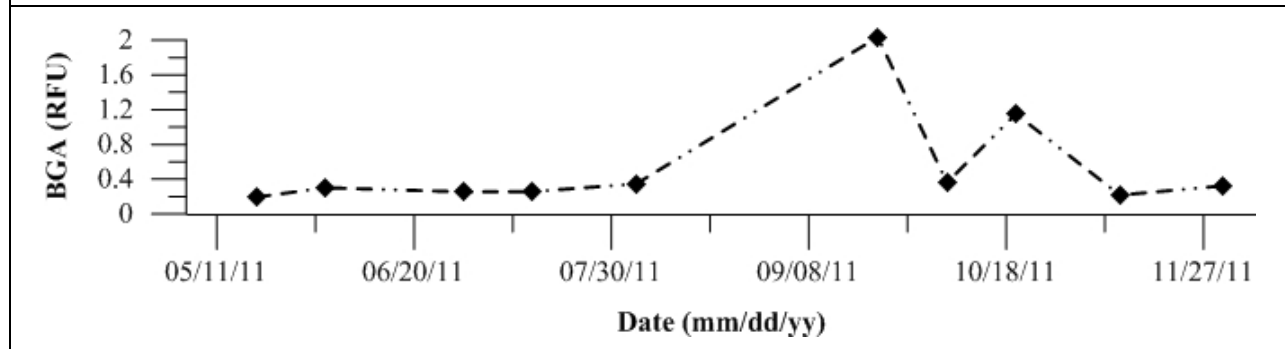


Figure 280: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

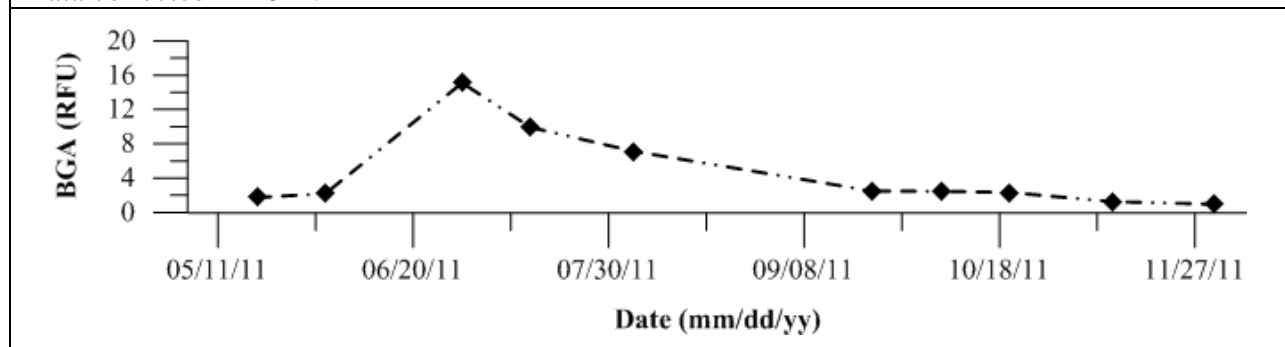


Figure 281: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

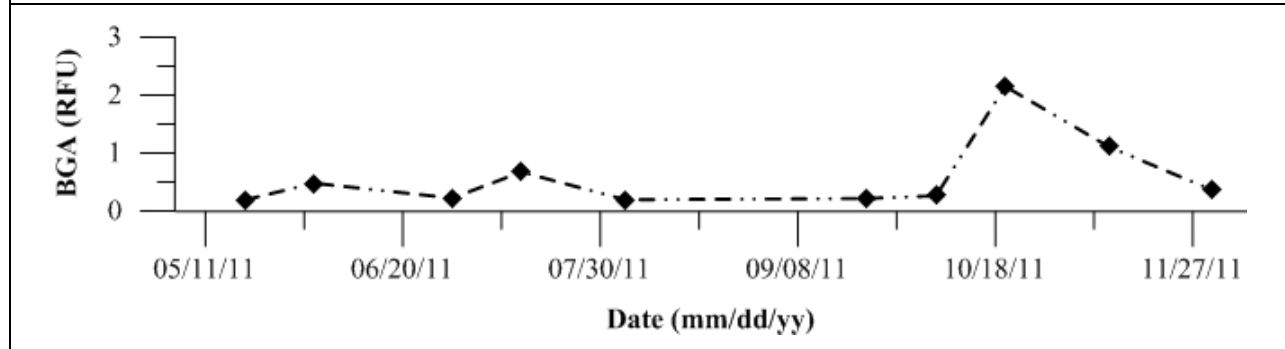


Figure 282: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

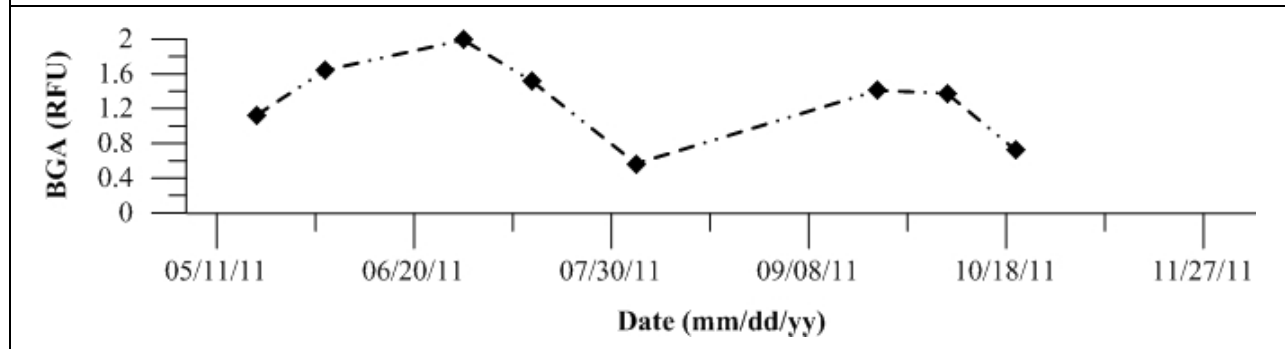


Figure 283: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2011.

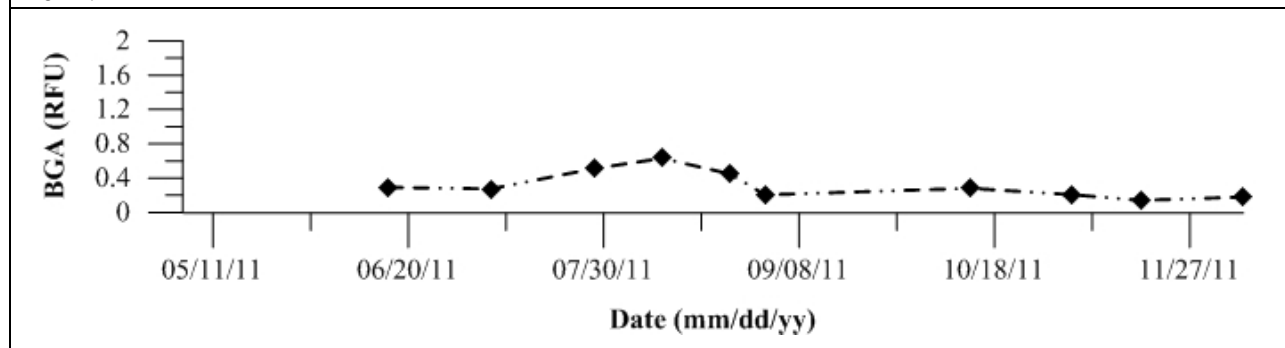


Figure 284: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2011.

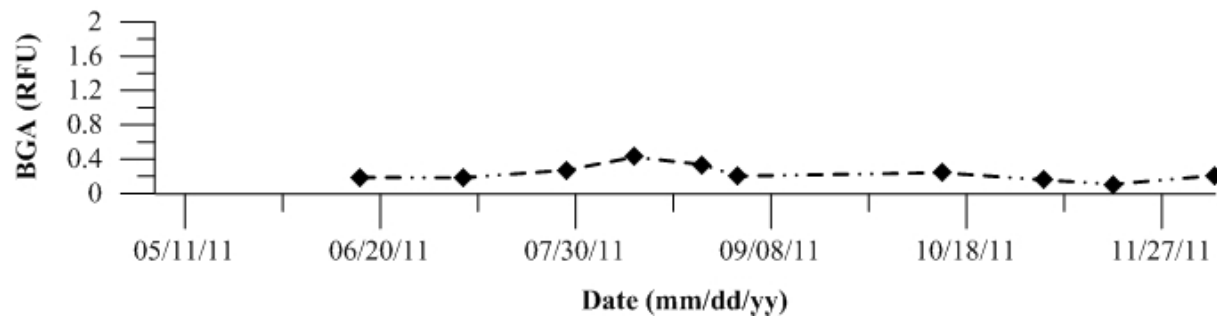


Figure 285: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

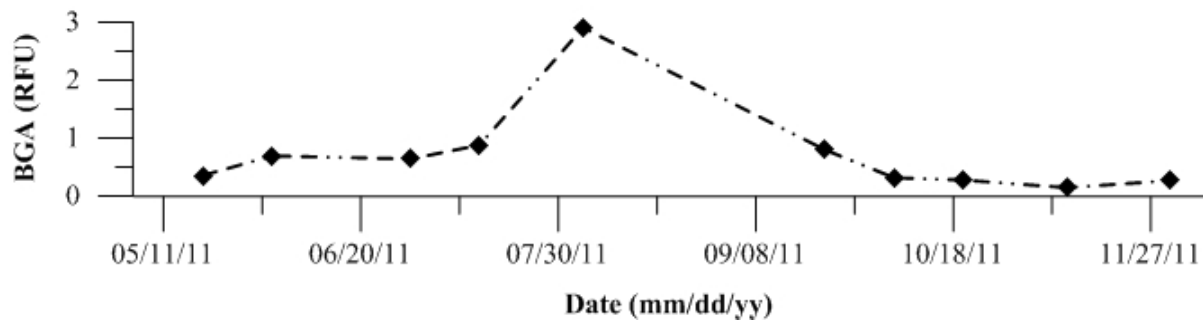


Figure 286: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2011.

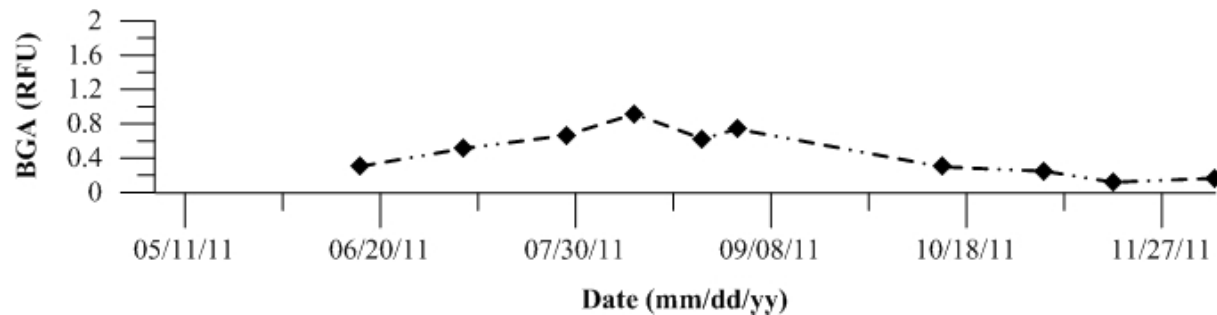


Figure 287: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

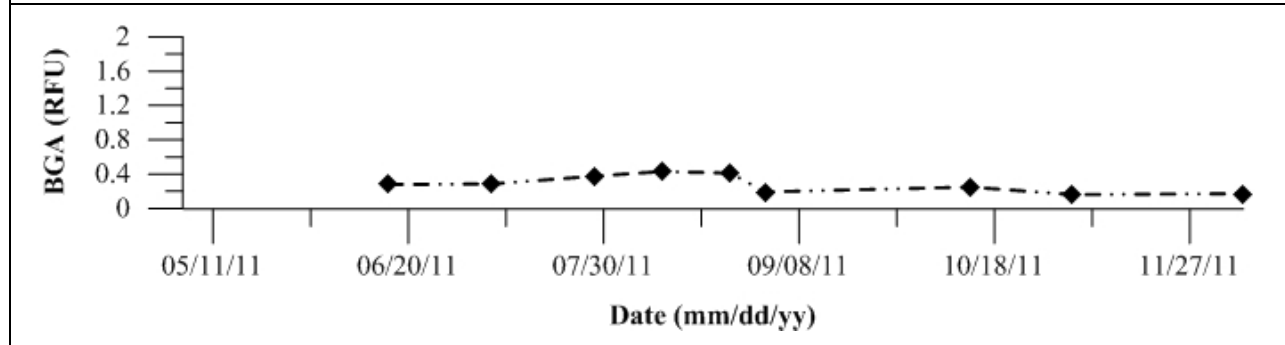
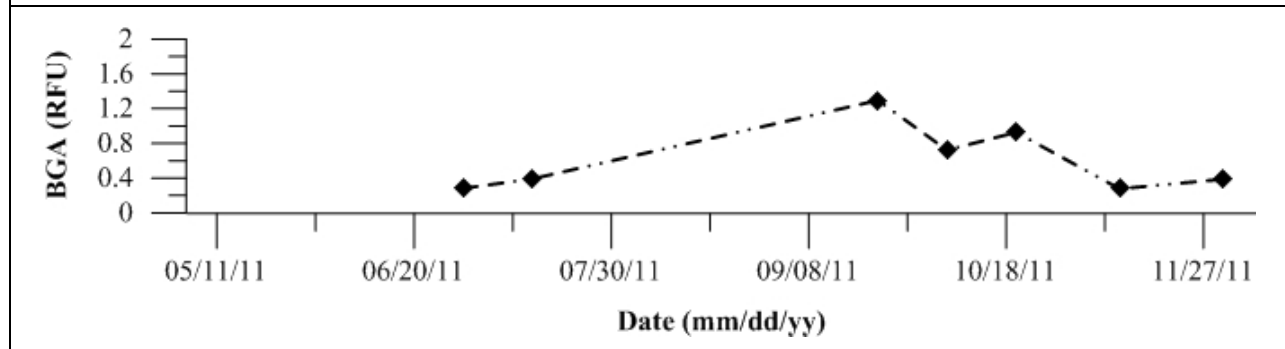


Figure 288: Grab sample phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) as measured with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 289-320: Temporal plots of total alkalinity by Site ID

Figure 289: Total alkalinity in milligrams CaCO_3 per liter for Site 2 SJR at Dos Reis Park. Data collected in 2011.

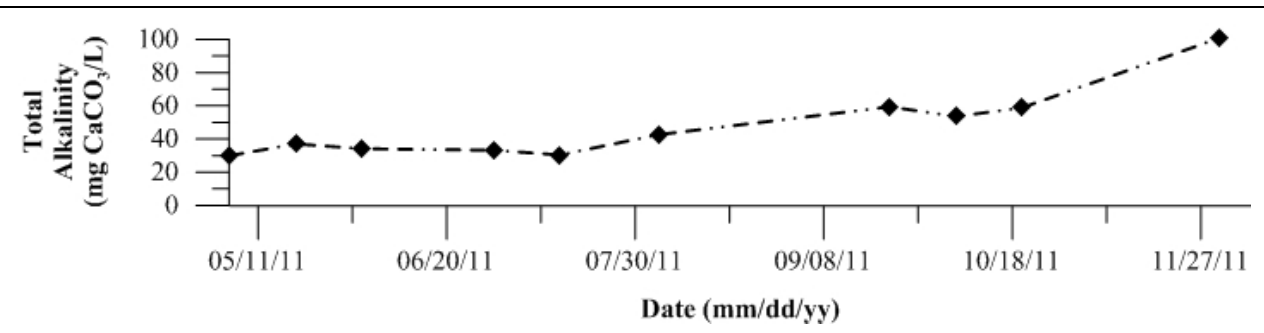


Figure 290: Total alkalinity in milligrams CaCO_3 per liter for Site 4 SJR at Mossdale. Data collected in 2011.

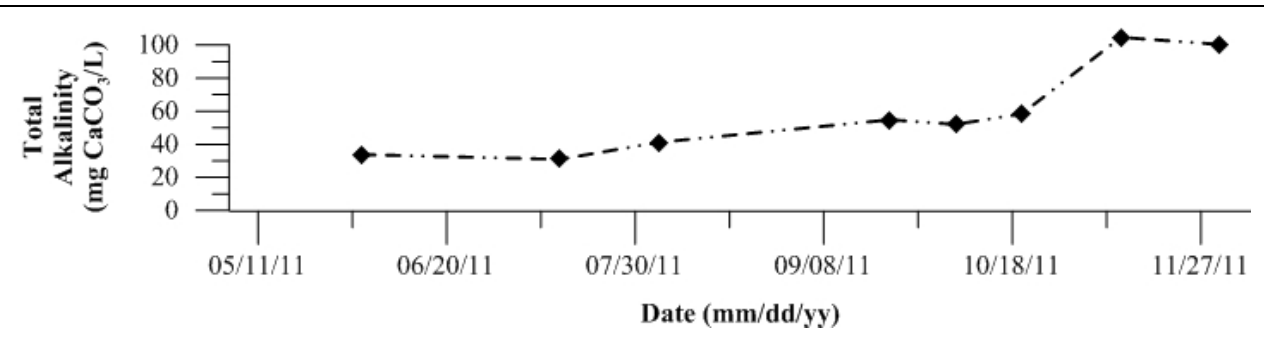


Figure 291: Total alkalinity in milligrams CaCO_3 per liter for Site 5 SJR at McCune Station. Data collected in 2011.

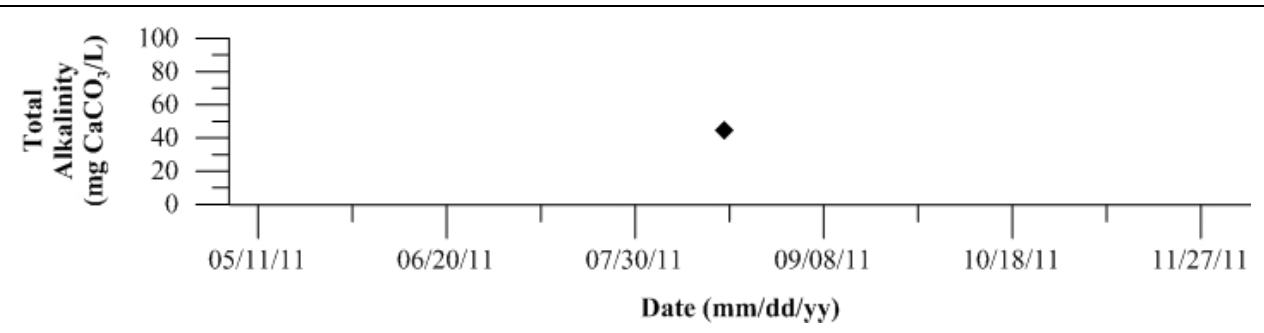


Figure 292: Total alkalinity in milligrams CaCO_3 per liter for Site 7 SJR at Patterson. Data collected in 2011.

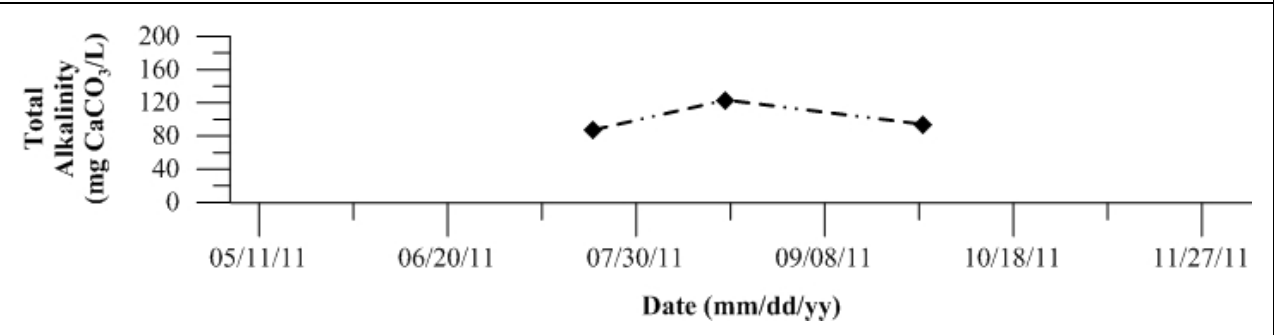


Figure 293: Total alkalinity in milligrams CaCO_3 per liter for Site 10 SJR at Lander Avenue. Data collected in 2011.

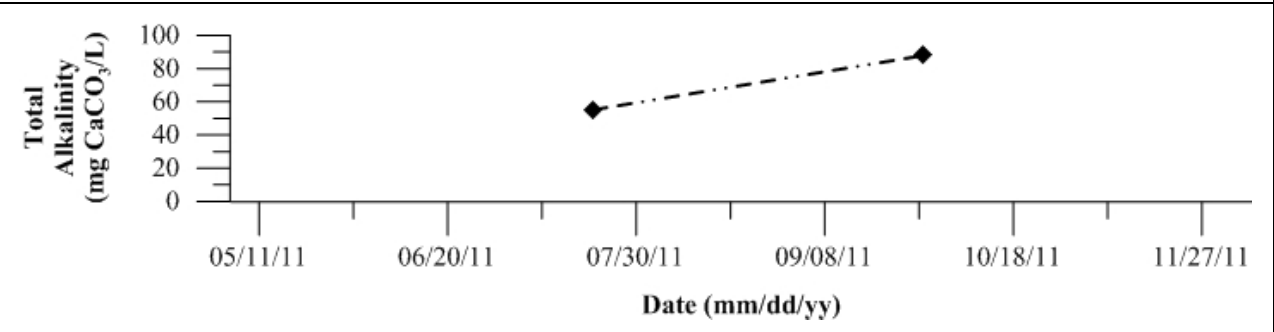


Figure 294: Total alkalinity in milligrams CaCO_3 per liter for Site 11 French Camp Slough. Data collected in 2011.

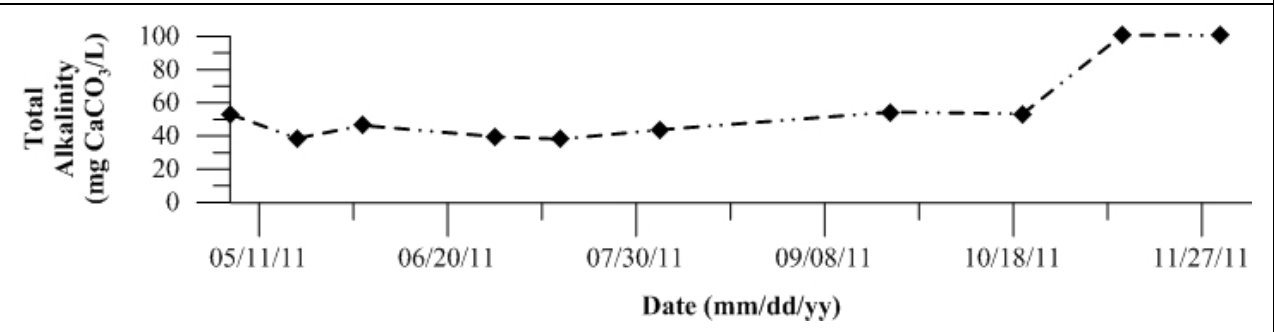


Figure 295: Total alkalinity in milligrams CaCO_3 per liter for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

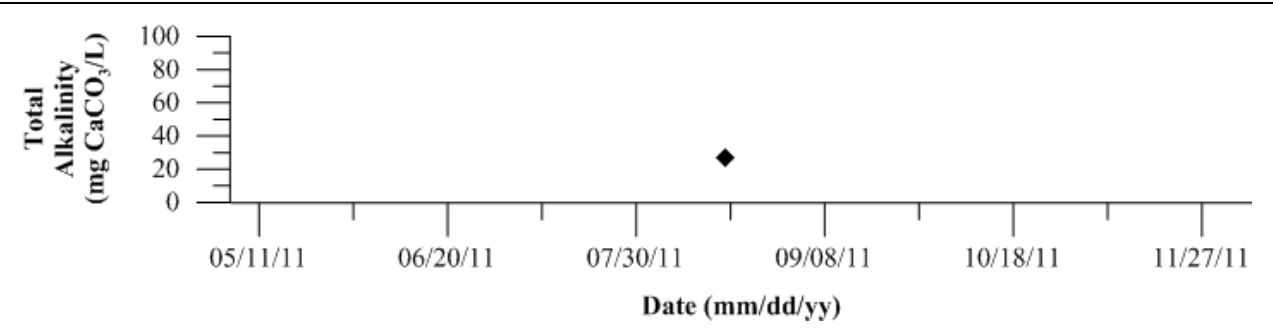


Figure 296: Total alkalinity in milligrams CaCO_3 per liter for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

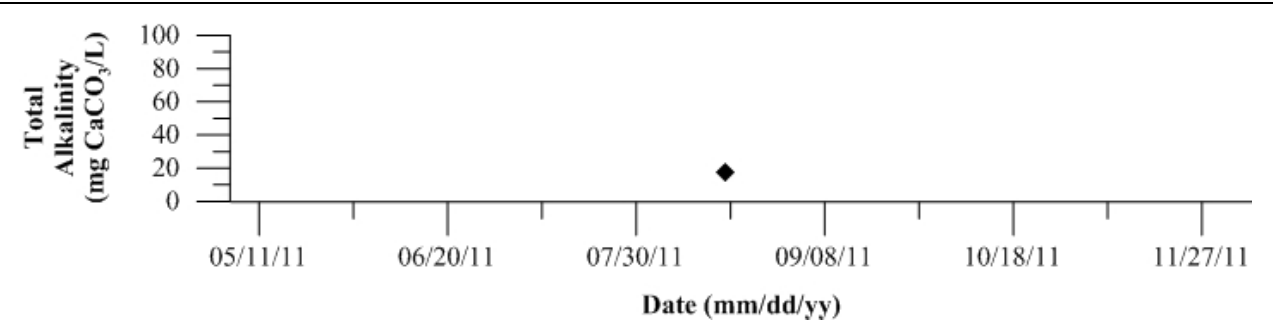


Figure 297: Total alkalinity in milligrams CaCO_3 per liter for Site 16 Merced River at River Road. Data collected in 2011.

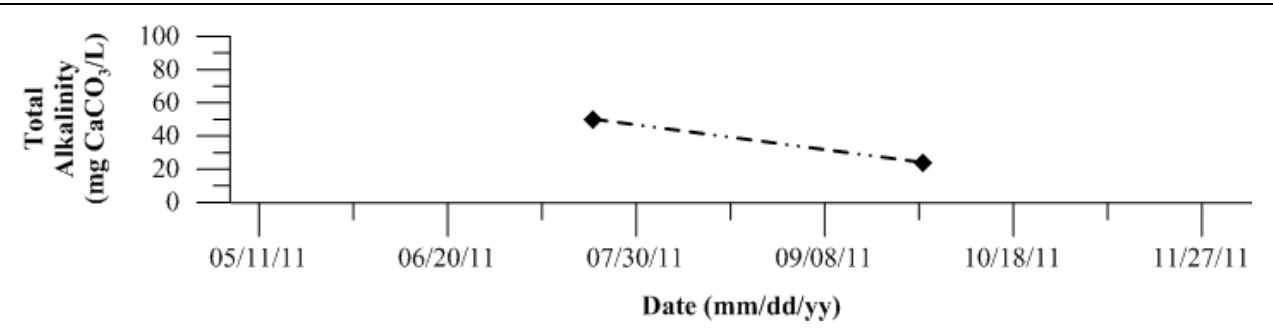


Figure 298: Total alkalinity in milligrams CaCO_3 per liter for Site 18 Mud Slough near Gustine. Data collected in 2011.

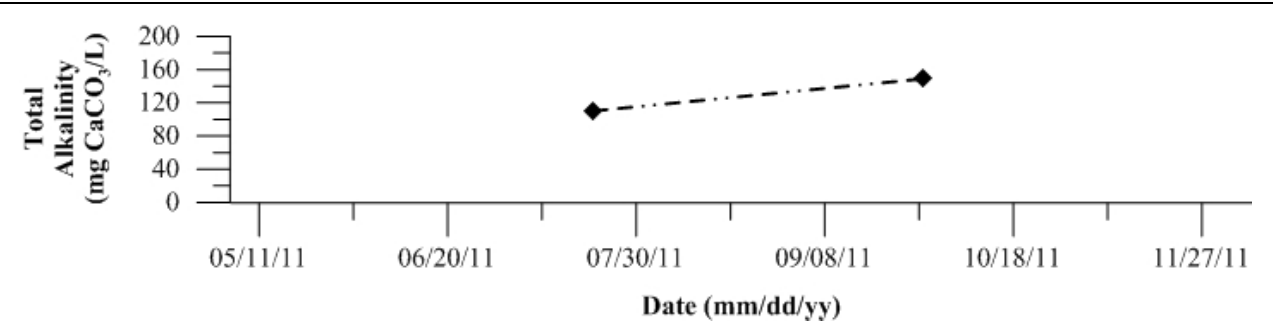


Figure 299: Total alkalinity in milligrams CaCO_3 per liter for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

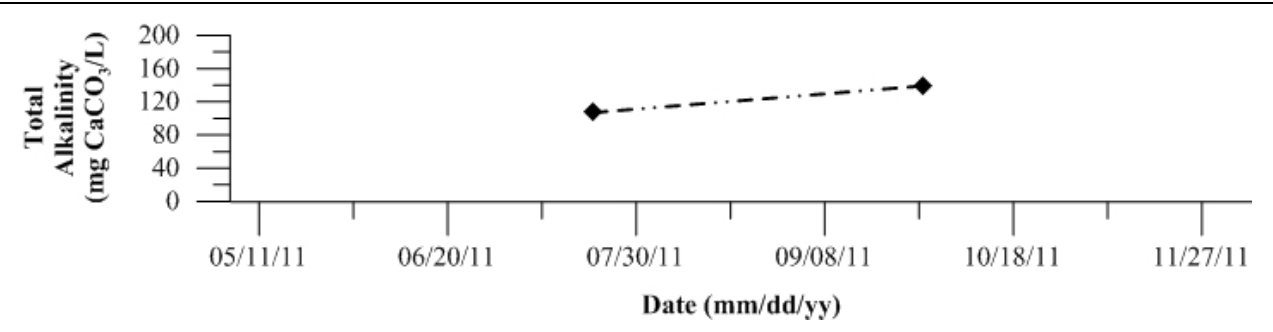


Figure 300: Total alkalinity in milligrams CaCO_3 per liter for Site 21 Orestimba Creek at River Road. Data collected in 2011.

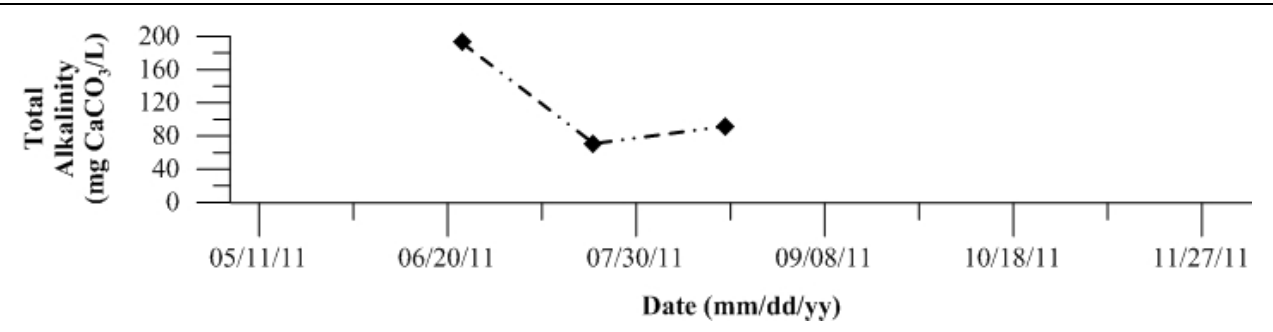


Figure 301: Total alkalinity in milligrams CaCO_3 per liter for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

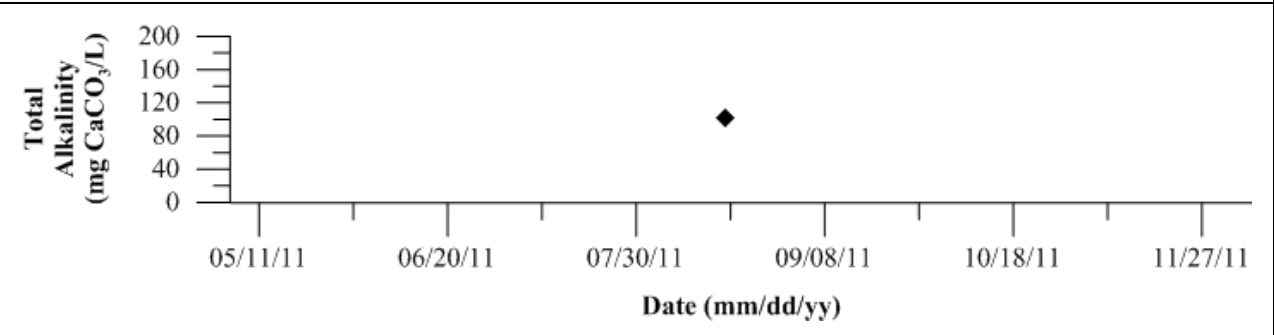


Figure 302: Total alkalinity in milligrams CaCO_3 per liter for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

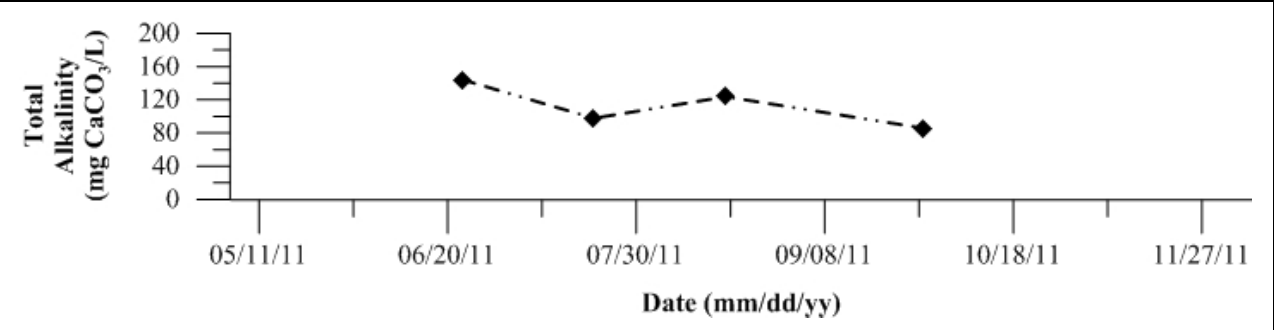


Figure 303: Total alkalinity in milligrams CaCO_3 per liter for Site 34 Ingram Creek. Data collected in 2011.

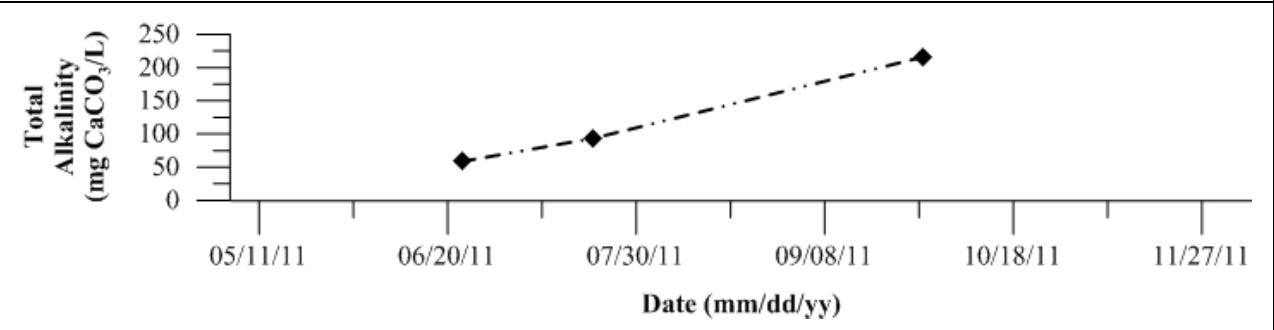


Figure 304: Total alkalinity in milligrams CaCO_3 per liter for Site 36 Del Puerto Creek. Data collected in 2011.

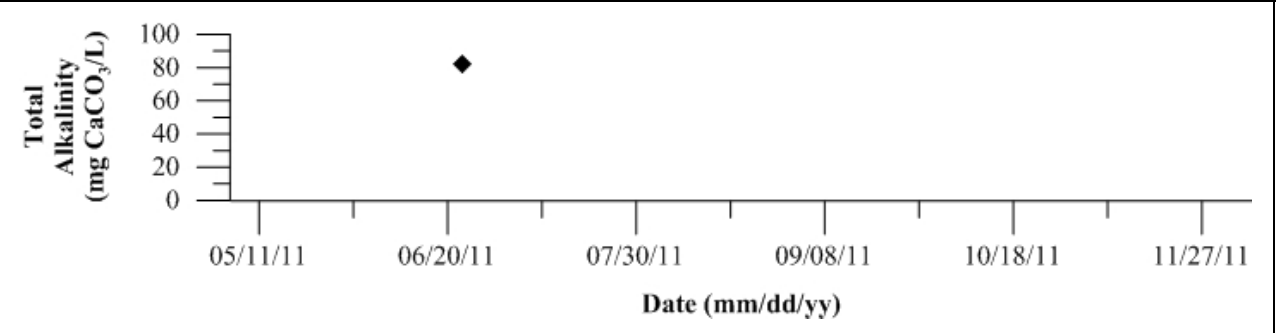


Figure 305: Total alkalinity in milligrams CaCO_3 per liter for Site 44 San Luis Drain End. Data collected in 2011.

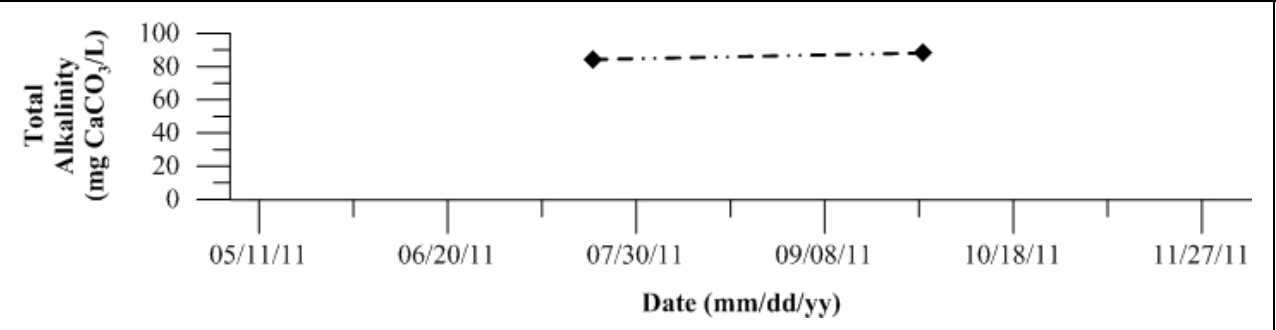


Figure 306: Total alkalinity in milligrams CaCO_3 per liter for Site 57 Ramona Lake. Data collected in 2011.

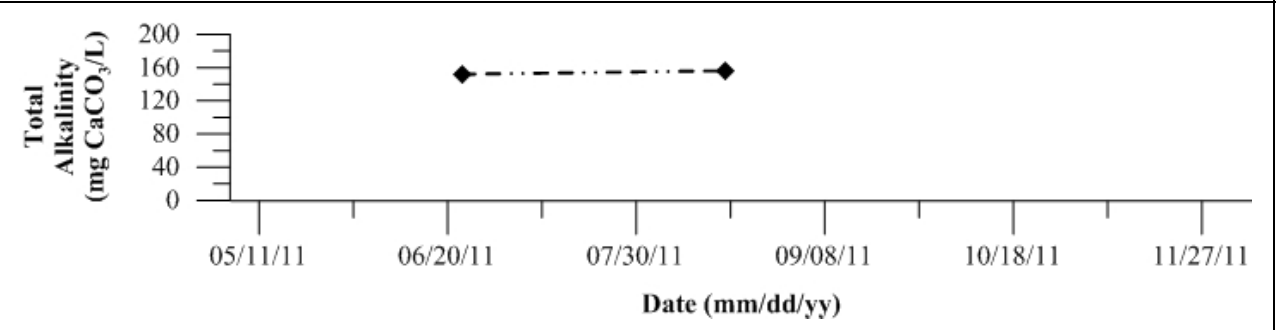


Figure 307: Total alkalinity in milligrams CaCO_3 per liter for Site 127 SJR at Brant Bridge. Data collected in 2011.

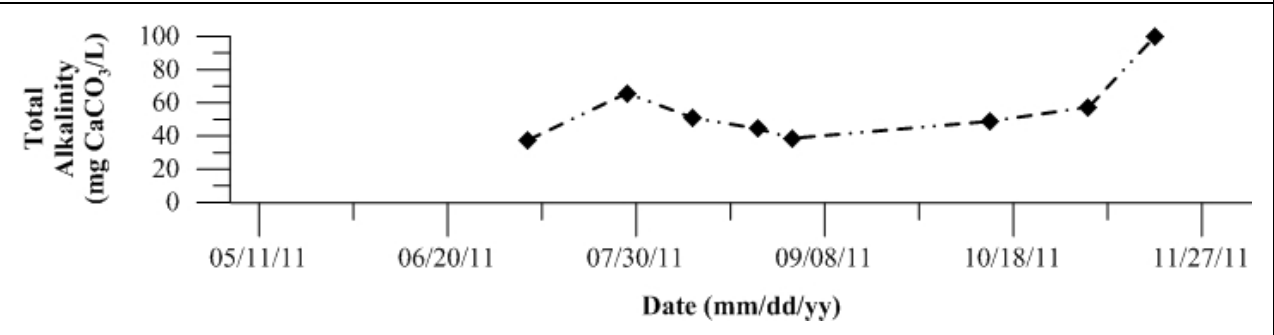


Figure 308: Total alkalinity in milligrams CaCO_3 per liter for Site 402 Light 18 (Node 96). Data collected in 2011.

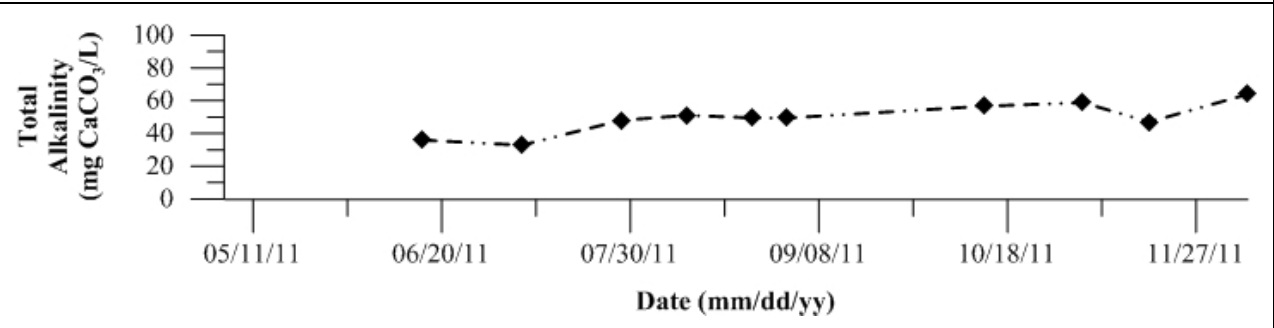


Figure 309: Total alkalinity in milligrams CaCO_3 per liter for Site 405 Calaveras River. Data collected in 2011.

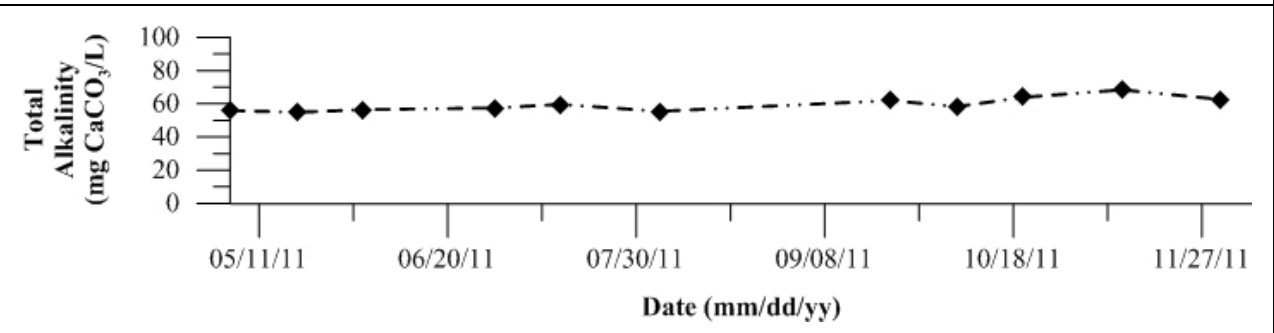


Figure 310: Total alkalinity in milligrams CaCO_3 per liter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

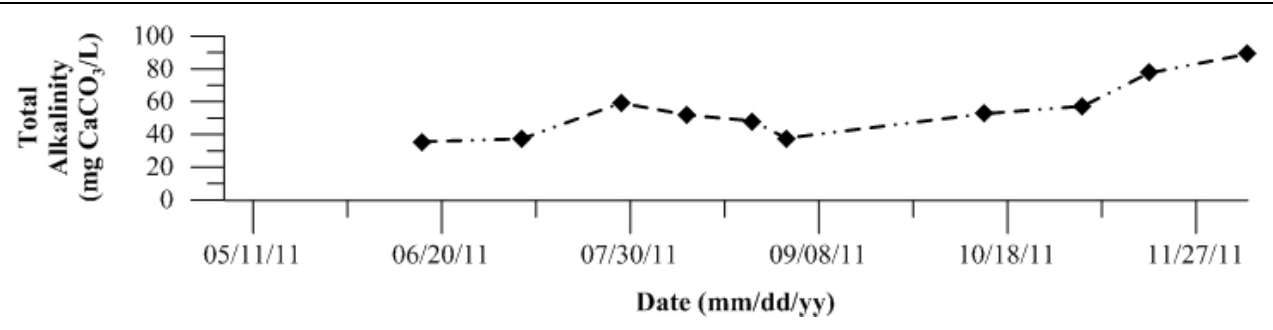


Figure 311: Total alkalinity in milligrams CaCO_3 per liter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

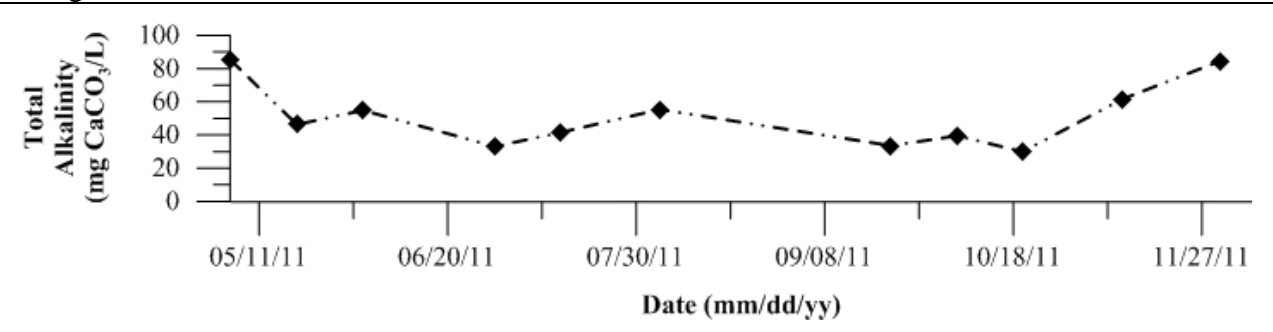


Figure 312: Total alkalinity in milligrams CaCO_3 per liter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

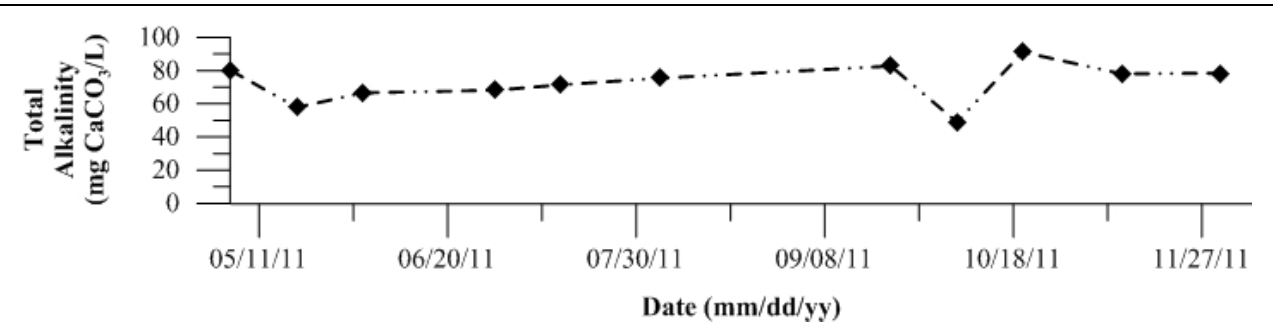


Figure 313: Total alkalinity in milligrams CaCO_3 per liter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

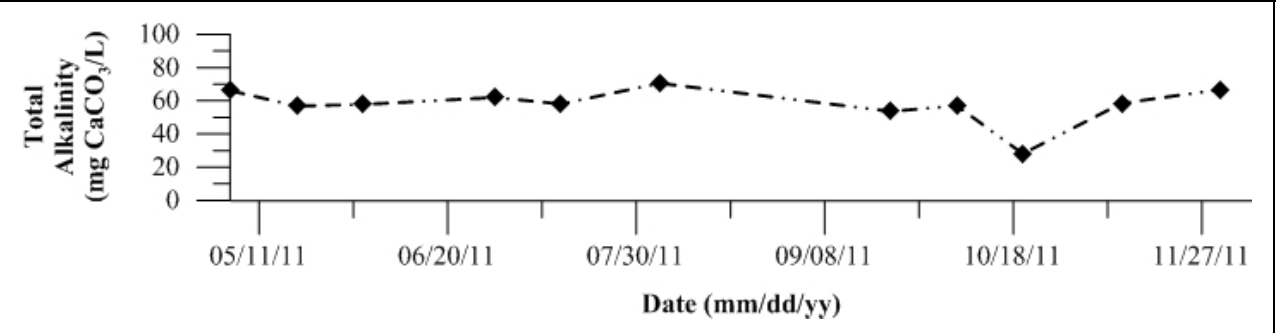


Figure 314: Total alkalinity in milligrams CaCO_3 per liter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

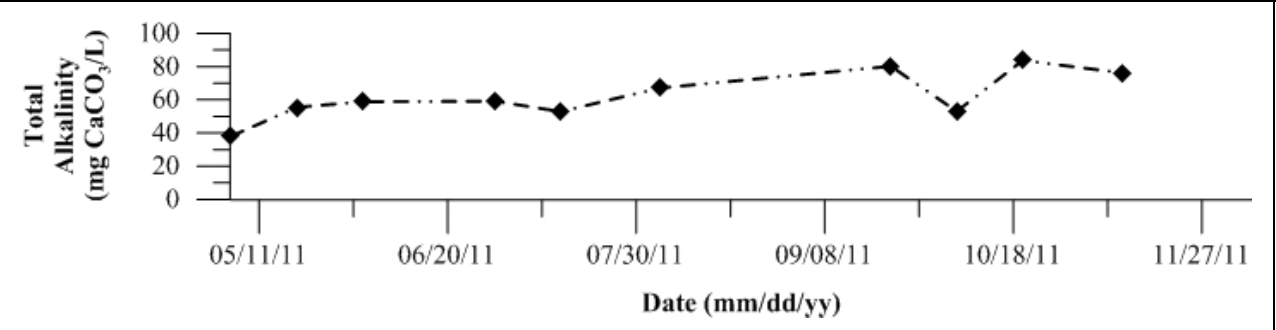


Figure 315: Total alkalinity in milligrams CaCO_3 per liter for Site 424 14mi Slough. Data collected in 2011.

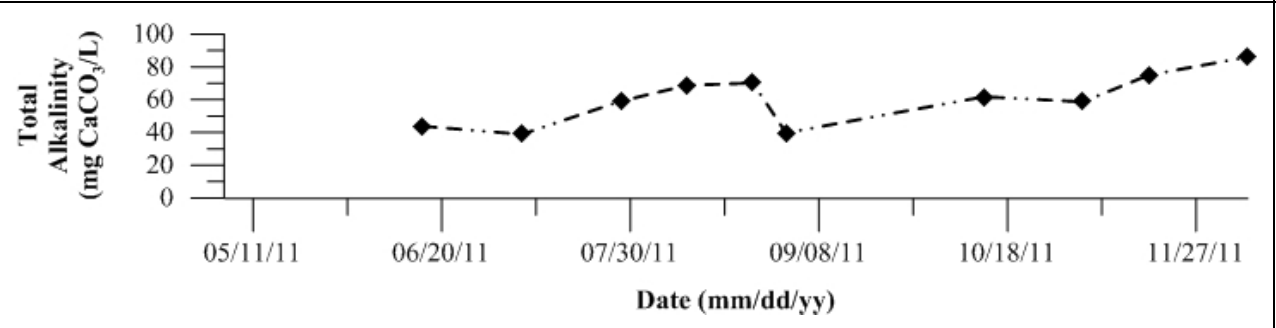


Figure 316: Total alkalinity in milligrams CaCO_3 per liter for Site 425 Turner Cut. Data collected in 2011.

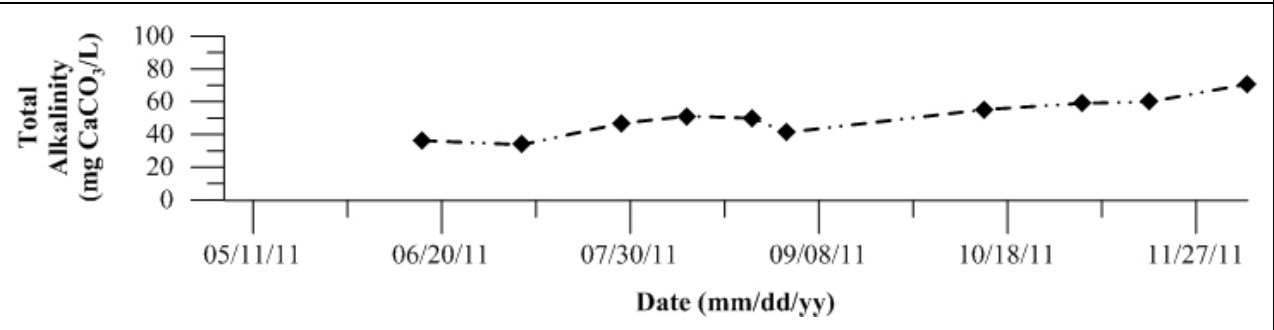


Figure 317: Total alkalinity in milligrams CaCO_3 per liter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

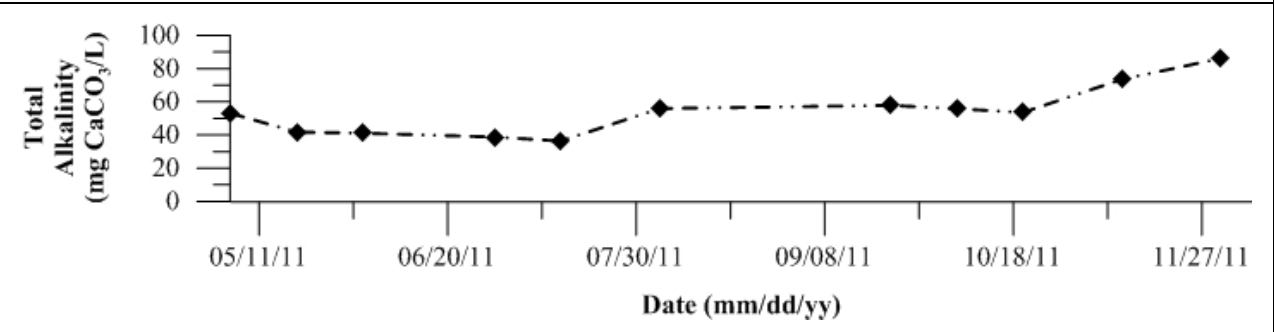


Figure 318: Total alkalinity in milligrams CaCO_3 per liter for Site 427 RM 39 Near Louis Park. Data collected in 2011.

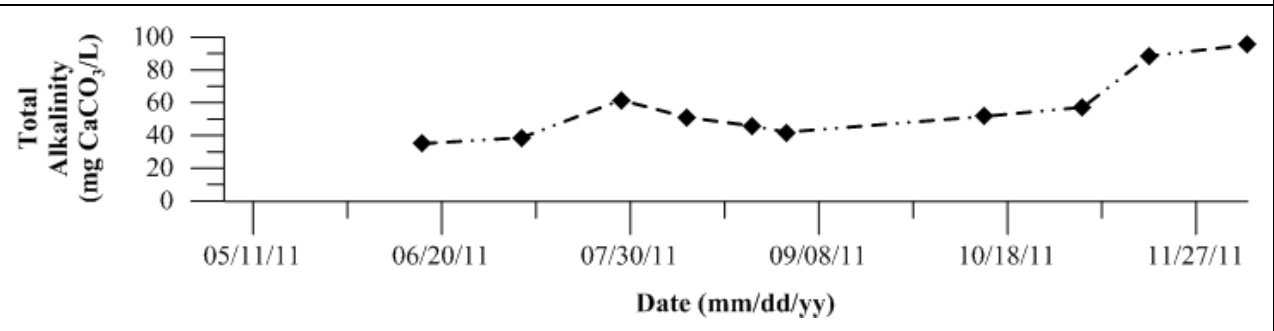


Figure 319: Total alkalinity in milligrams CaCO_3 per liter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

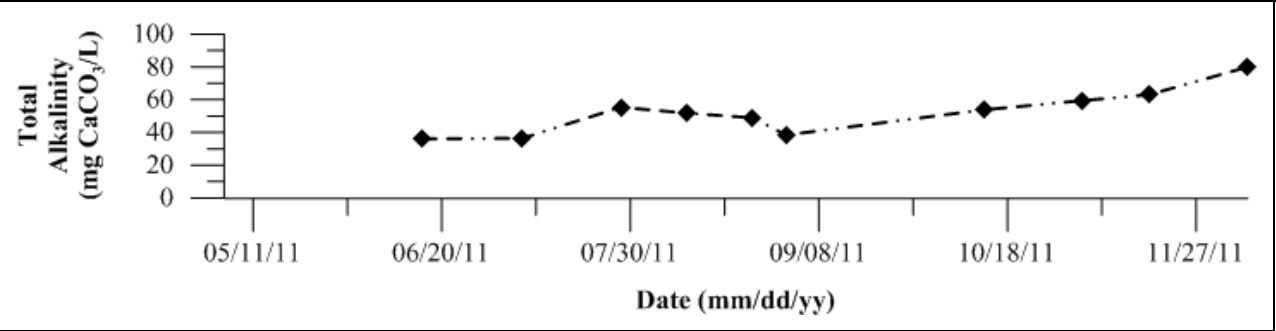
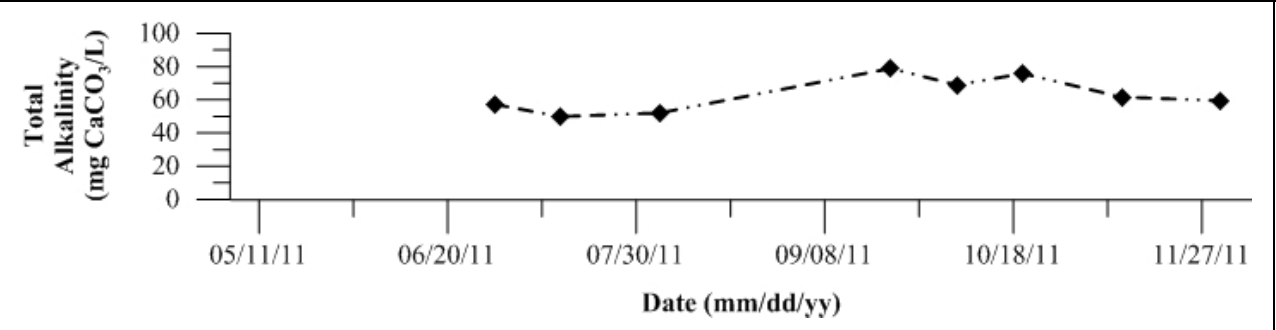


Figure 320: Total alkalinity in milligrams CaCO_3 per liter for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 321-352: Temporal plots of phenolphthalein alkalinity by Site ID

Figure 321: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 2 SJR at Dos Reis Park. Data collected in 2011.

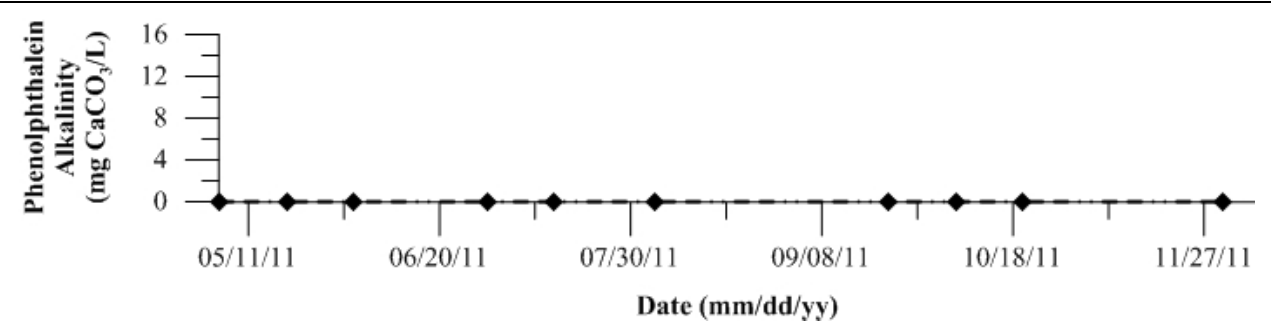


Figure 322: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 4 SJR at Mossdale. Data collected in 2011.

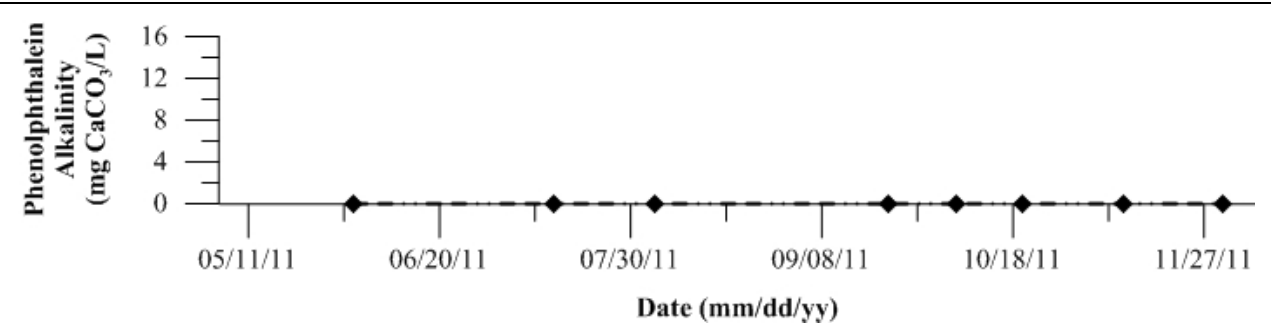


Figure 323: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 5 SJR at McCune Station. Data collected in 2011.

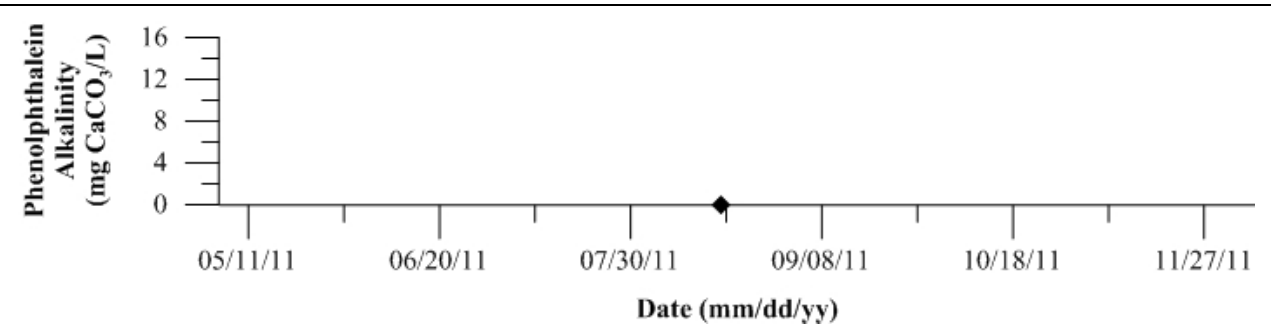


Figure 324: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 7 SJR at Patterson. Data collected in 2011.

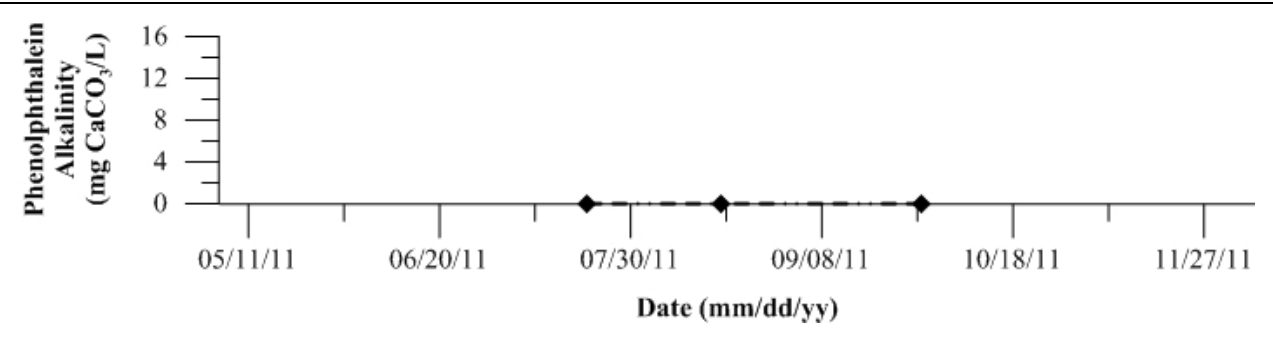


Figure 325: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 10 SJR at Lander Avenue. Data collected in 2011.

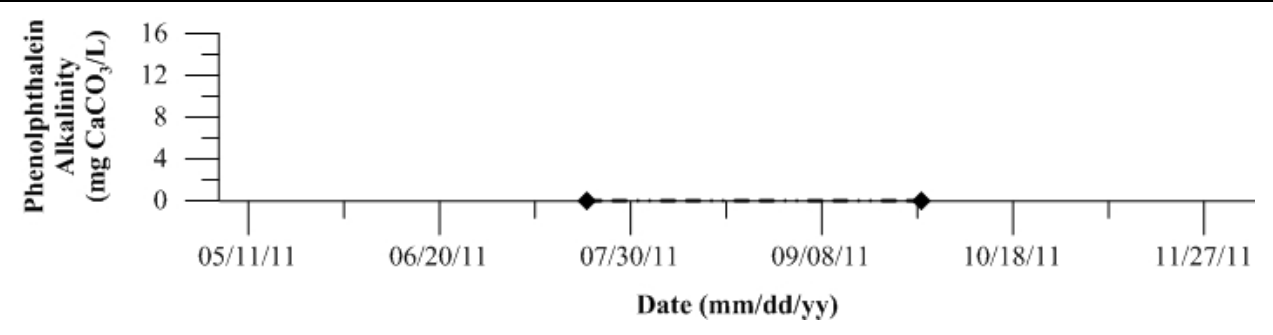


Figure 326: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 11 French Camp Slough. Data collected in 2011.

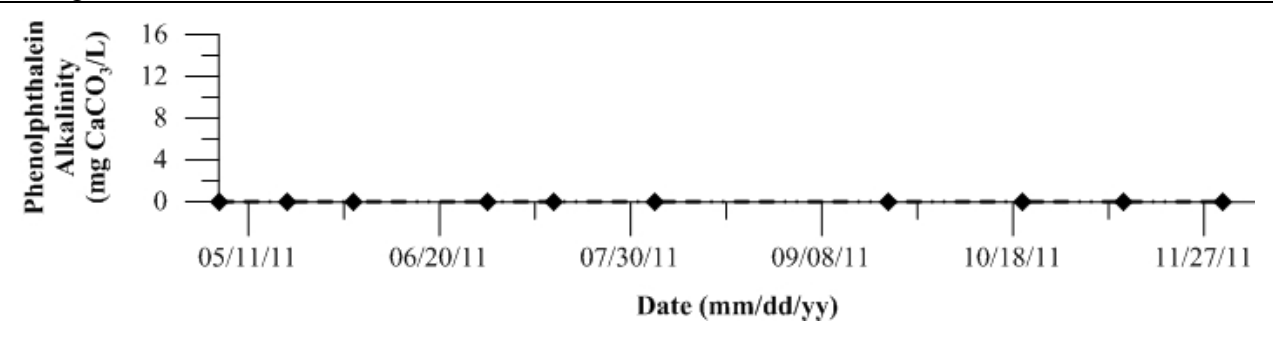


Figure 327: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

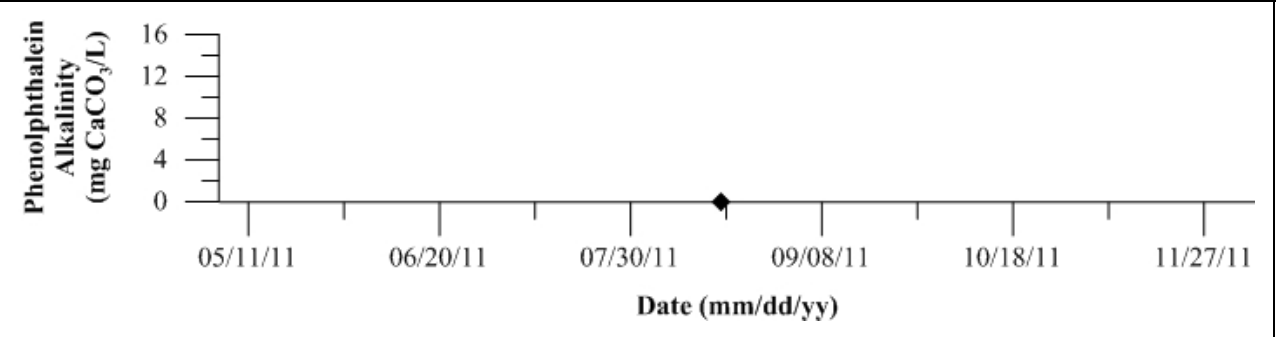


Figure 328: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

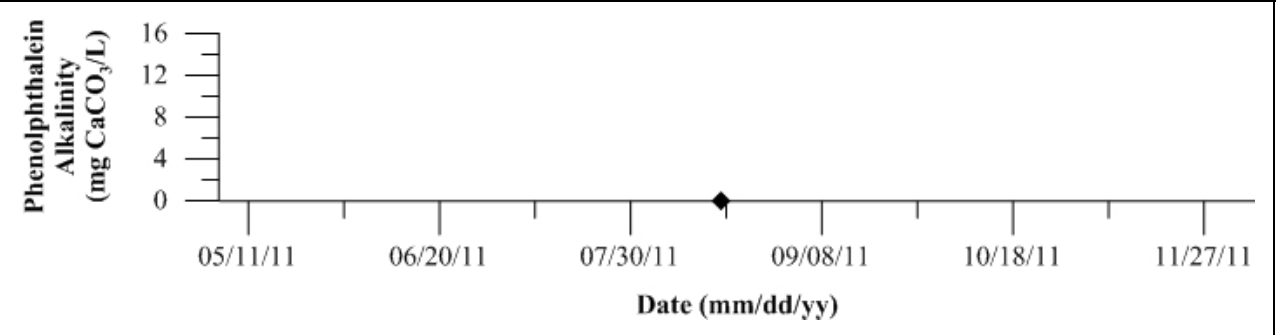


Figure 329: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 16 Merced River at River Road. Data collected in 2011.

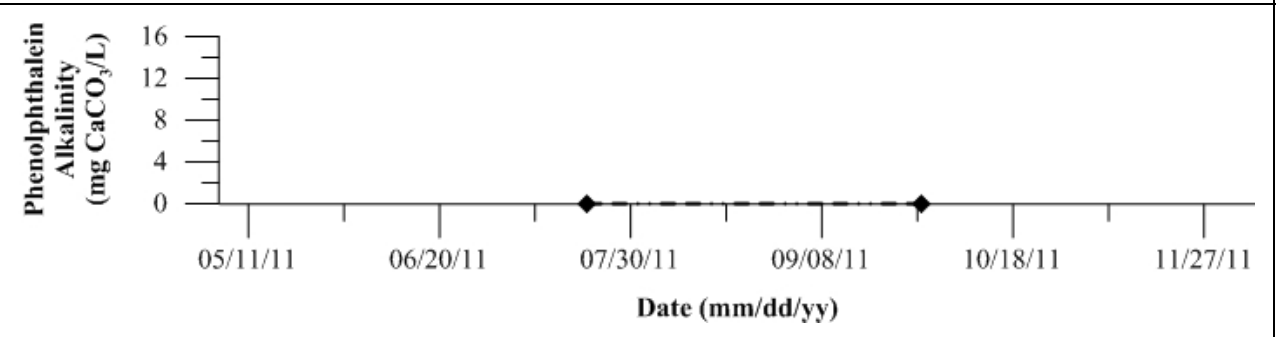


Figure 330: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 18 Mud Slough near Gustine. Data collected in 2011.

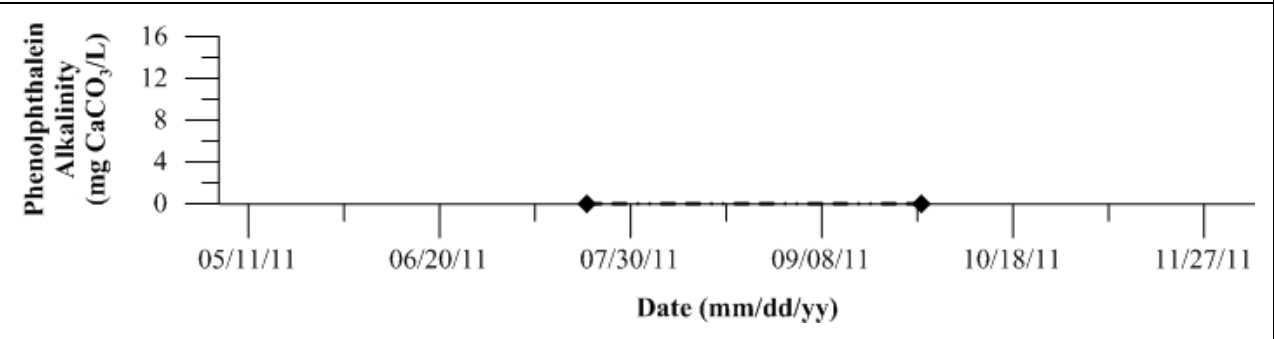


Figure 331: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

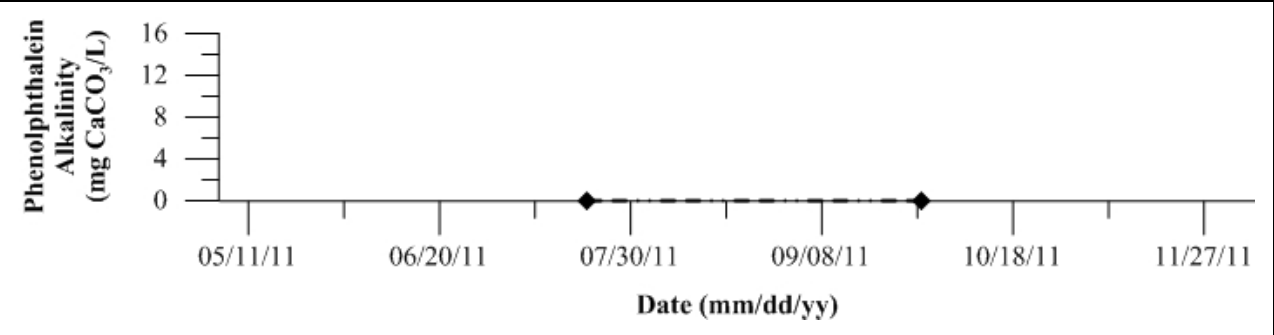


Figure 332: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 21 Orestimba Creek at River Road. Data collected in 2011.

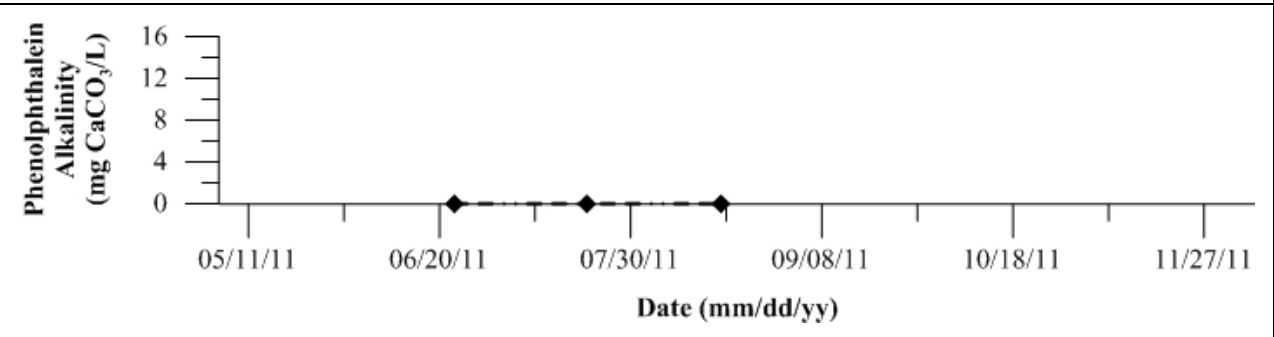


Figure 333: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

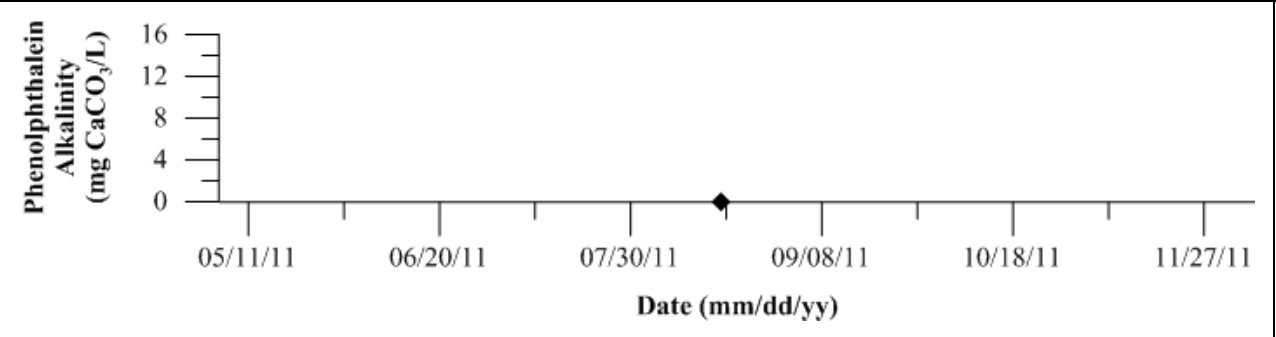


Figure 334: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

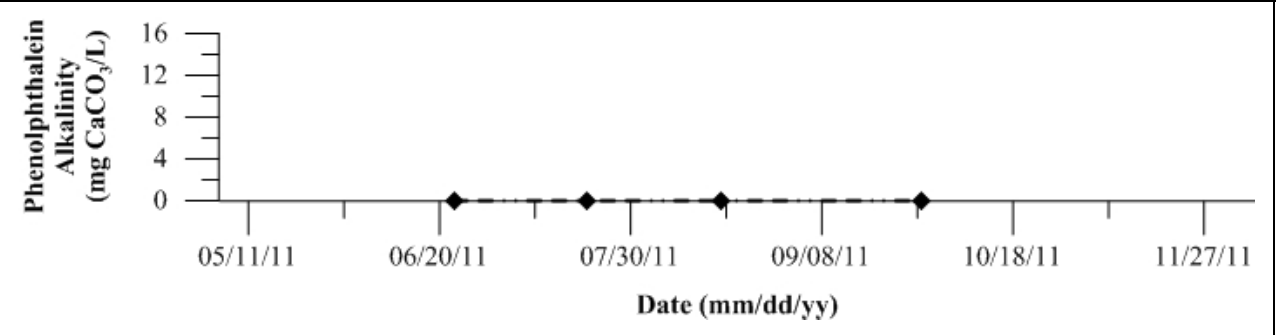


Figure 335: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 34 Ingram Creek. Data collected in 2011.

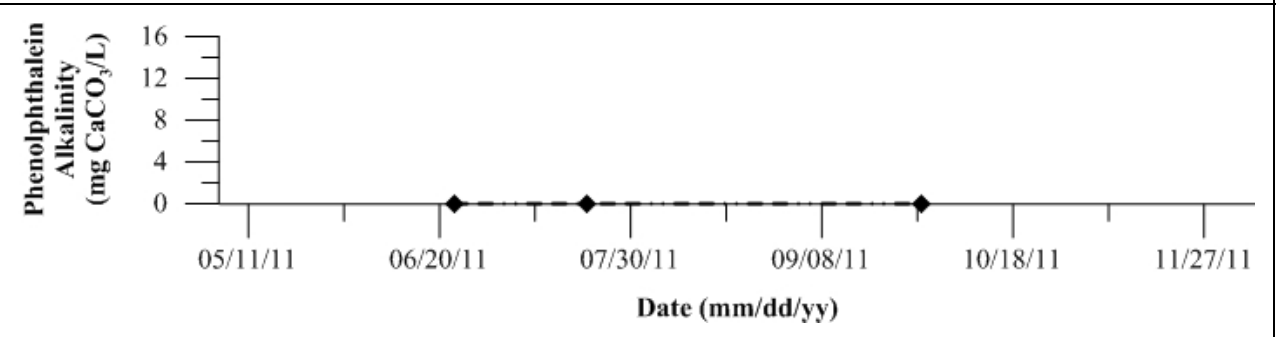


Figure 336: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 36 Del Puerto Creek. Data collected in 2011.

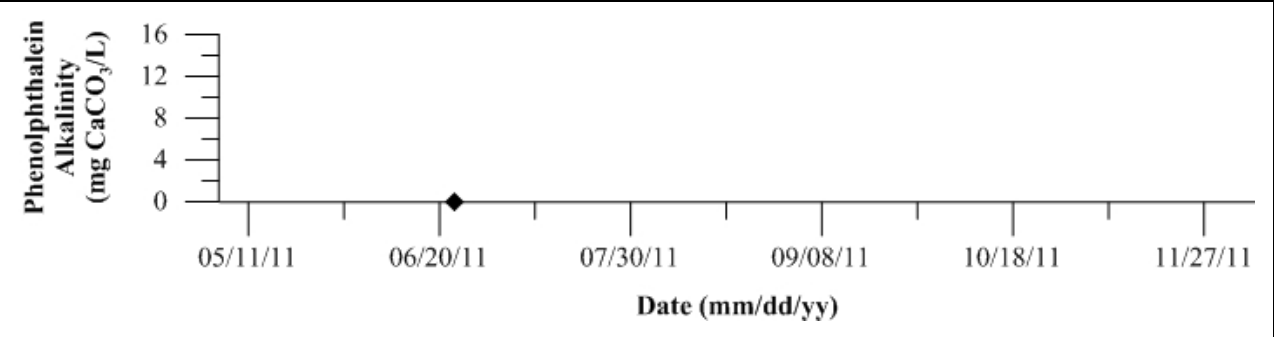


Figure 337: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 44 San Luis Drain End. Data collected in 2011.

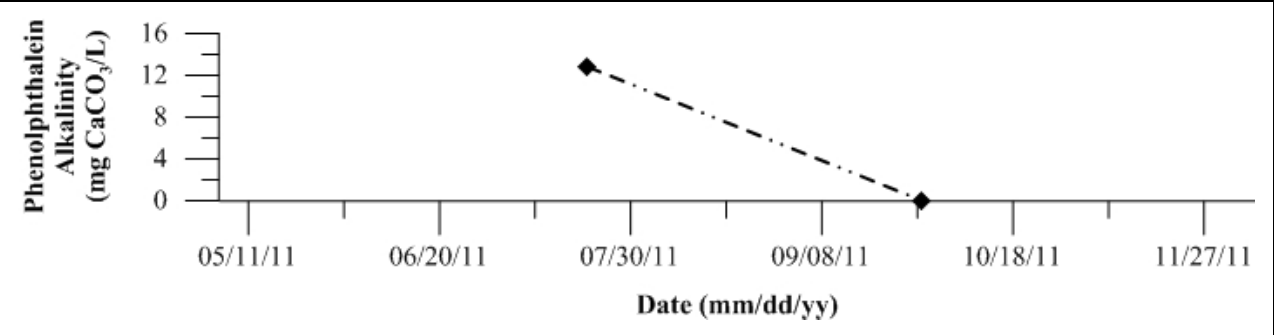


Figure 338: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 57 Ramona Lake. Data collected in 2011.

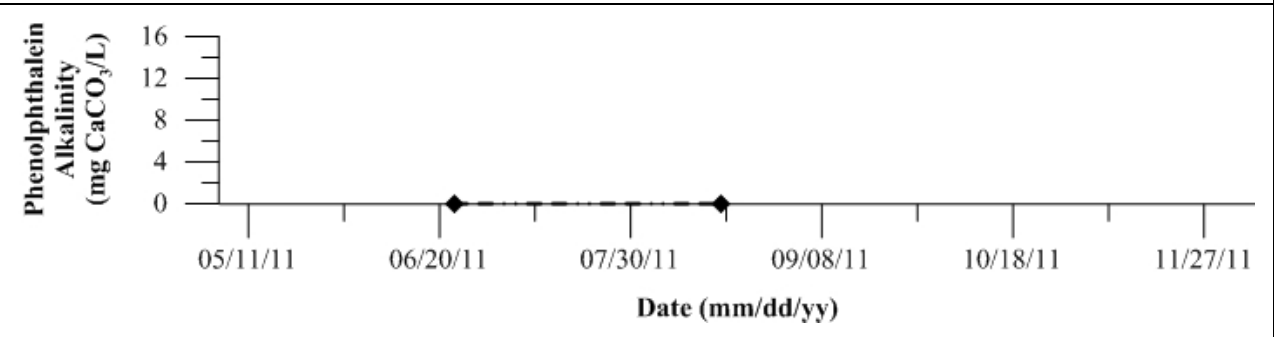


Figure 339: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 127 SJR at Brant Bridge. Data collected in 2011.

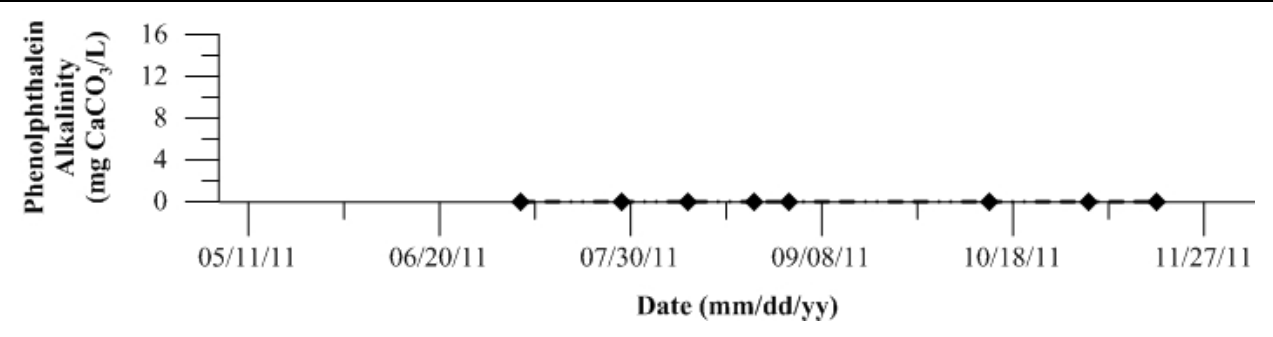


Figure 340: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 402 Light 18 (Node 96). Data collected in 2011.

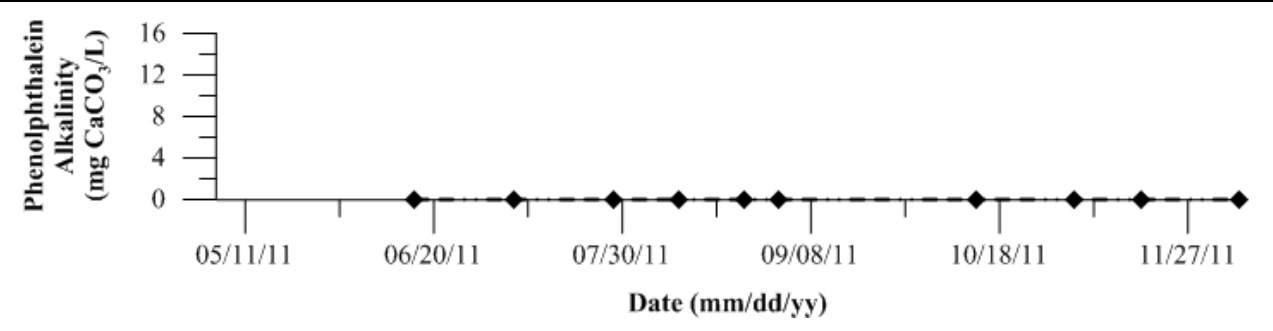


Figure 341: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 405 Calaveras River. Data collected in 2011.

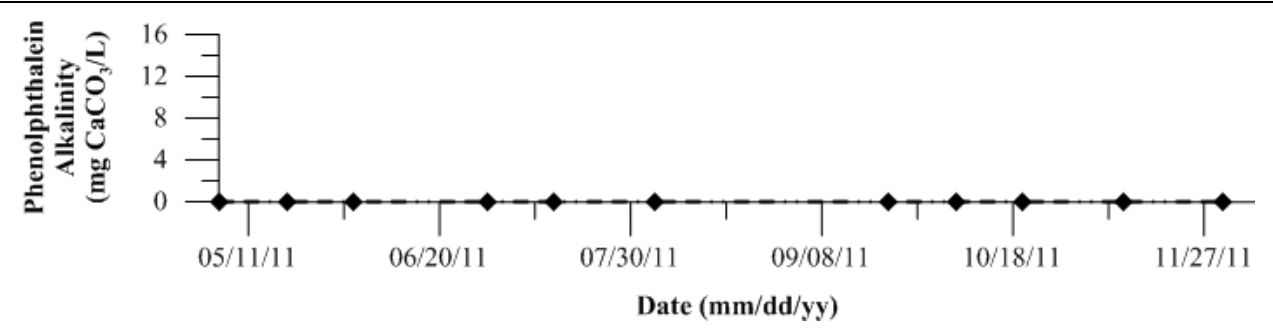


Figure 342: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

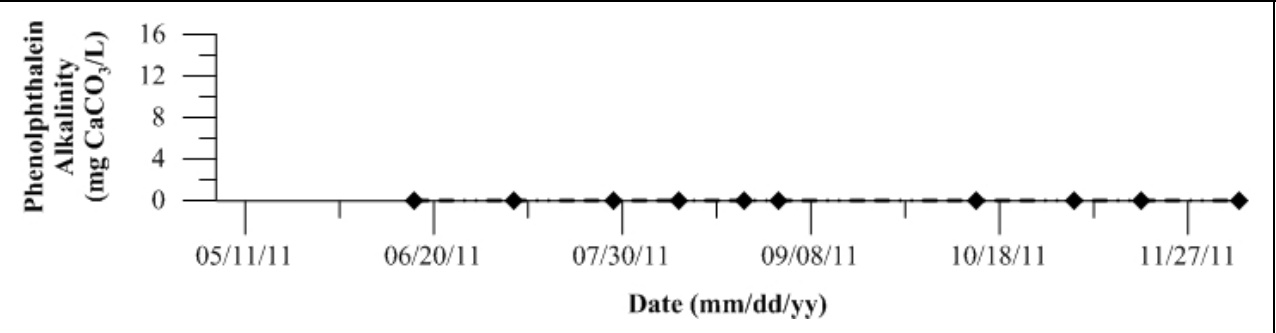


Figure 343: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

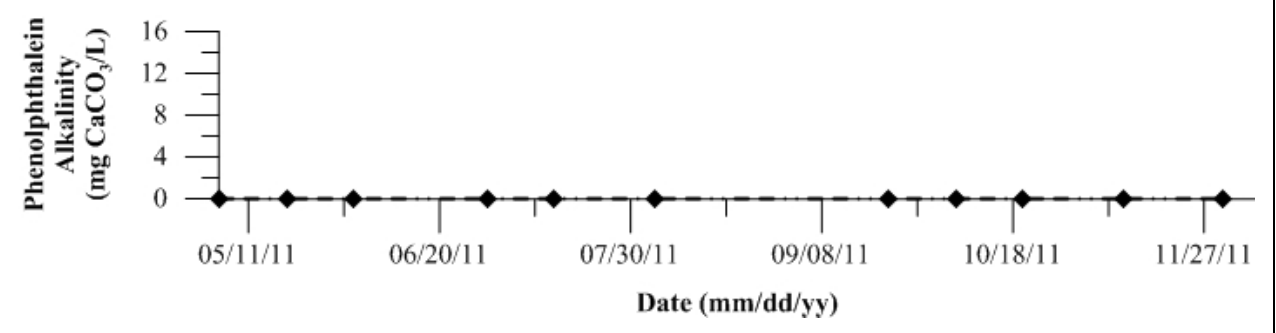


Figure 344: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

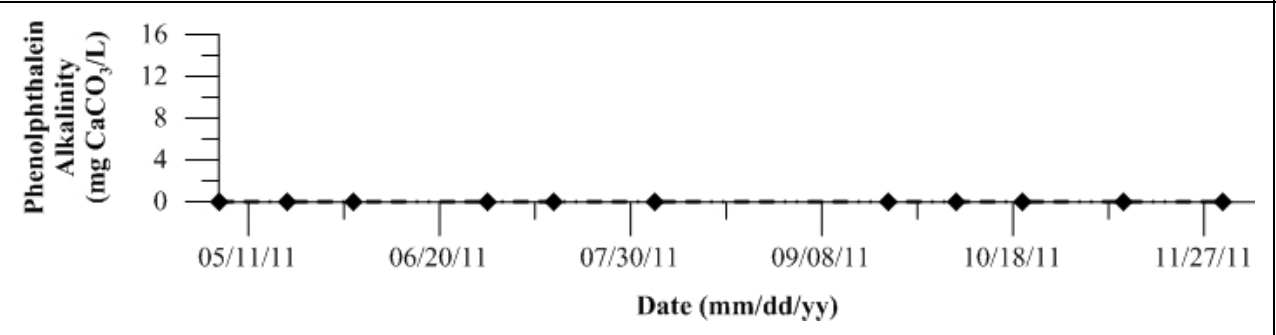


Figure 345: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

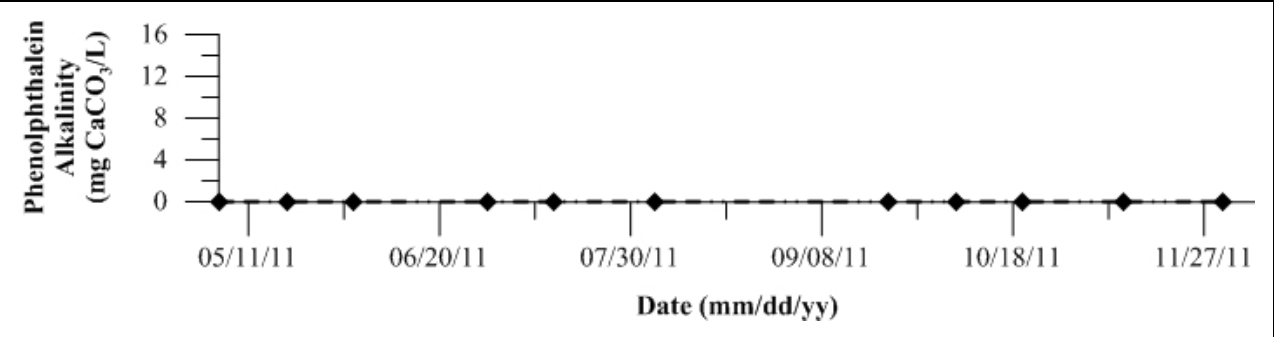


Figure 346: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

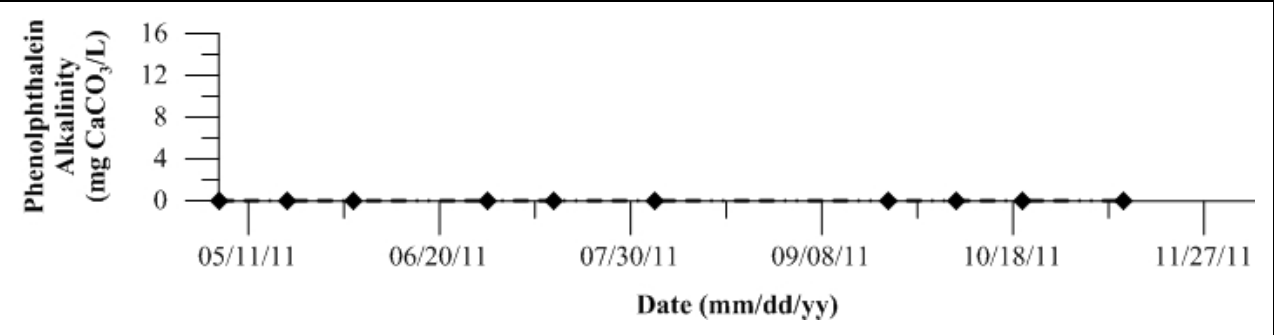


Figure 347: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 424 14mi Slough. Data collected in 2011.

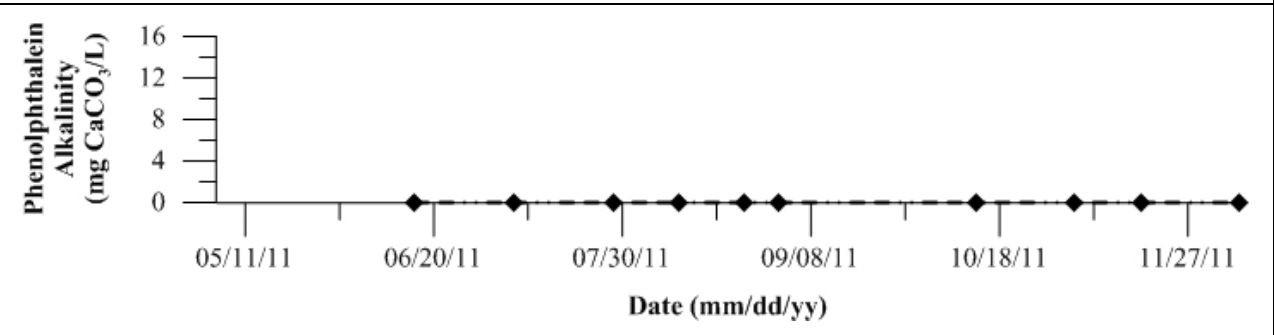


Figure 348: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 425 Turner Cut. Data collected in 2011.

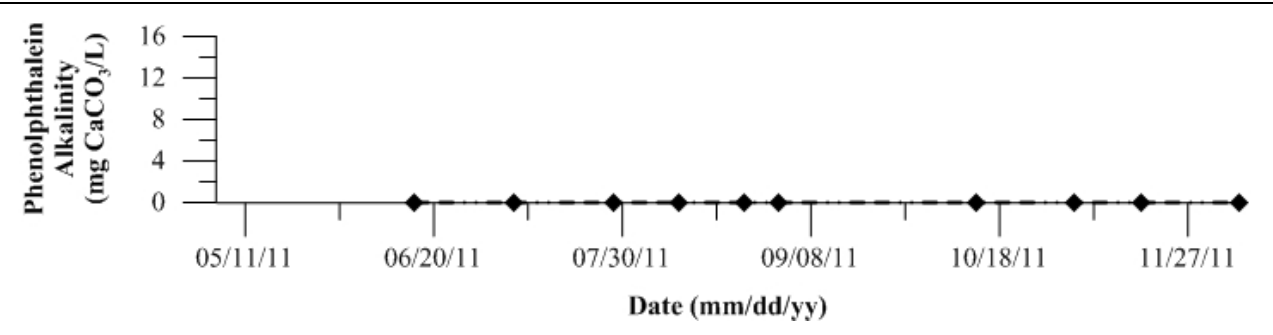


Figure 349: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

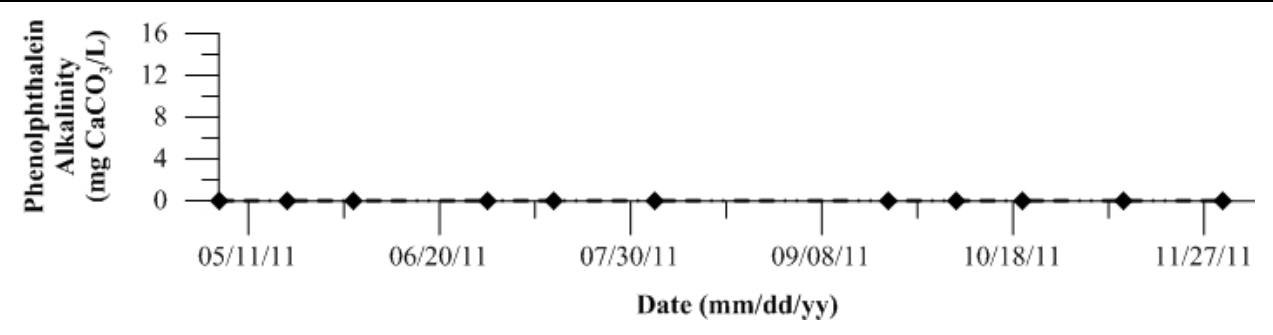


Figure 350: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 427 RM 39 Near Louis Park. Data collected in 2011.

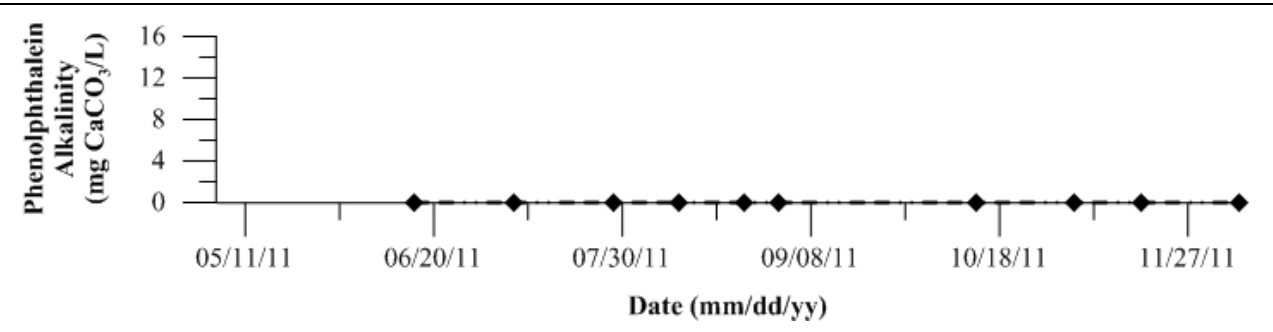


Figure 351: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

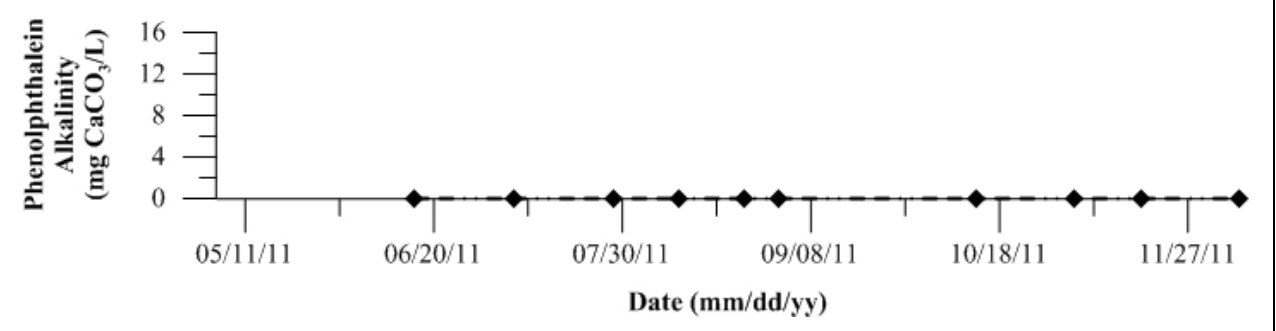
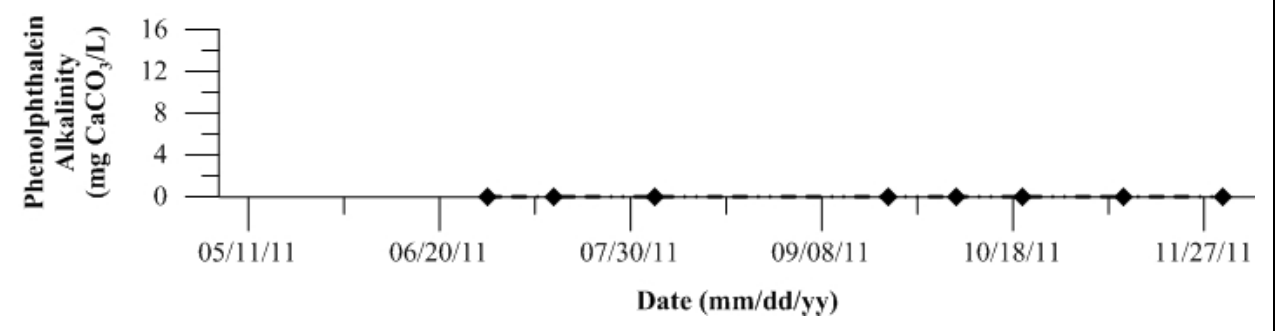


Figure 352: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 353-384: Temporal plots of Total Organic Carbon (TOC) by Site ID

Figure 353: Total Organic Carbon (TOC) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

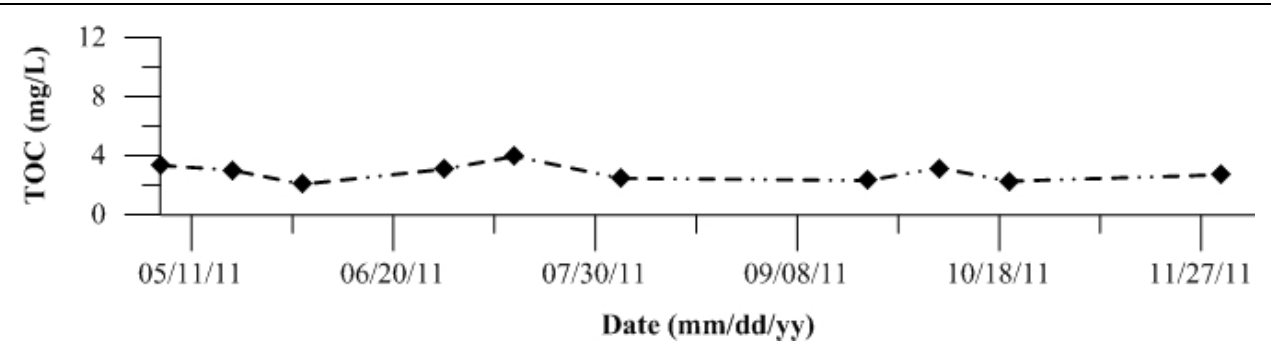


Figure 354: Total Organic Carbon (TOC) for Site 4 SJR at Mossdale. Data collected in 2011.

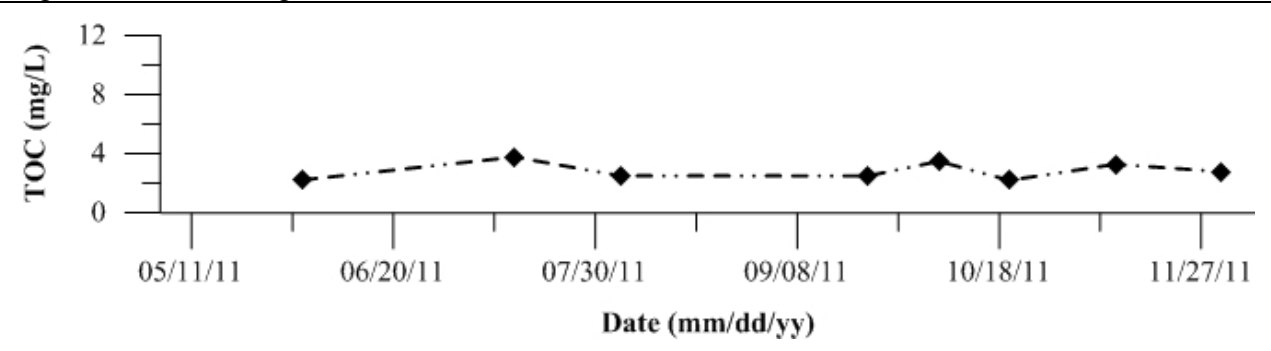


Figure 355: Total Organic Carbon (TOC) for Site 5 SJR at McCune Station. Data collected in 2011.

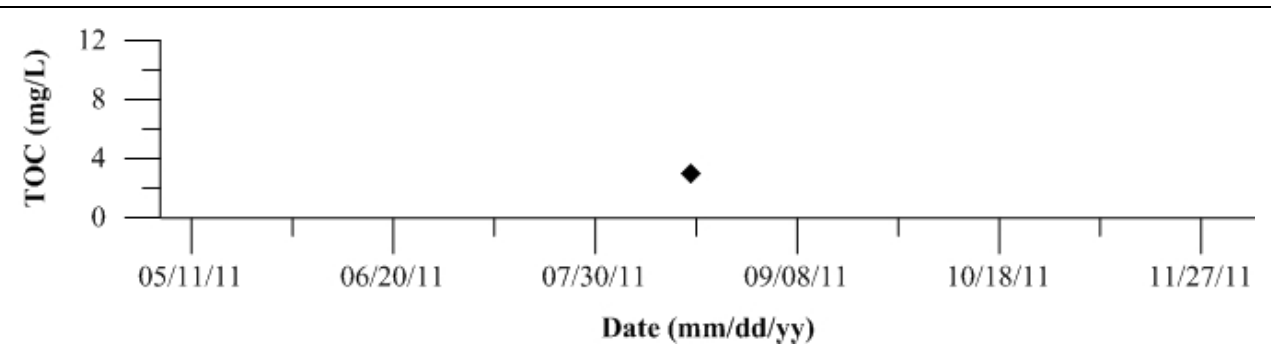


Figure 356: Total Organic Carbon (TOC) for Site 7 SJR at Patterson. Data collected in 2011.

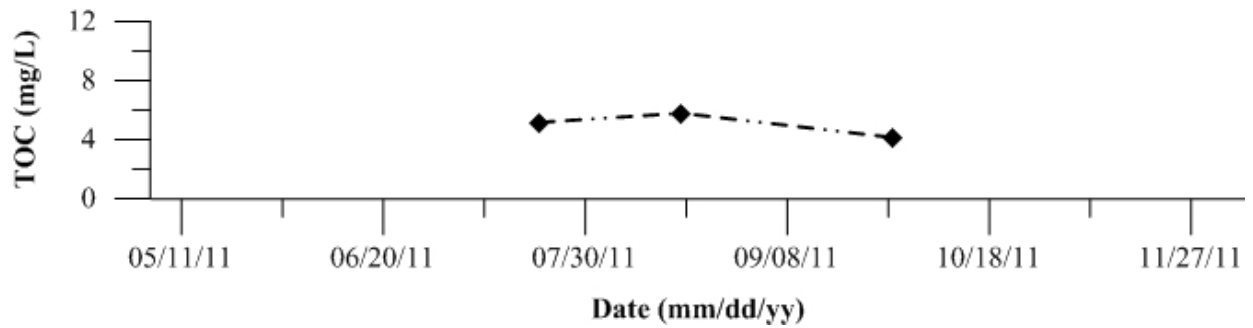


Figure 357: Total Organic Carbon (TOC) for Site 10 SJR at Lander Avenue. Data collected in 2011.

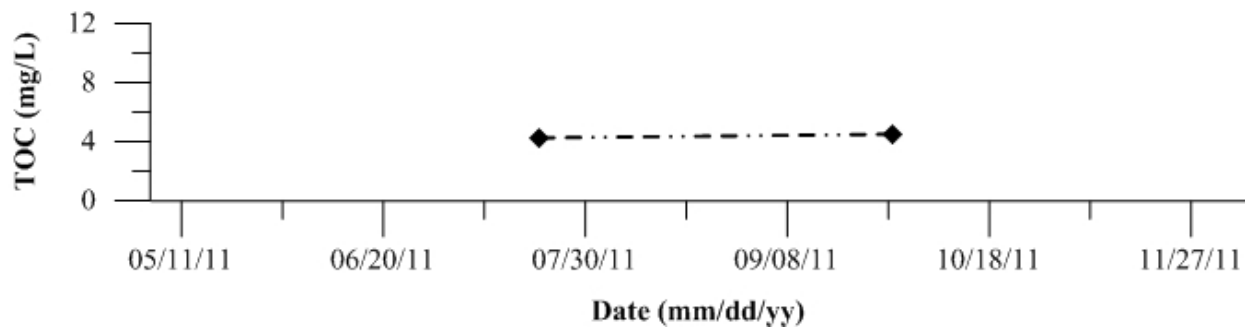


Figure 358: Total Organic Carbon (TOC) for Site 11 French Camp Slough. Data collected in 2011.

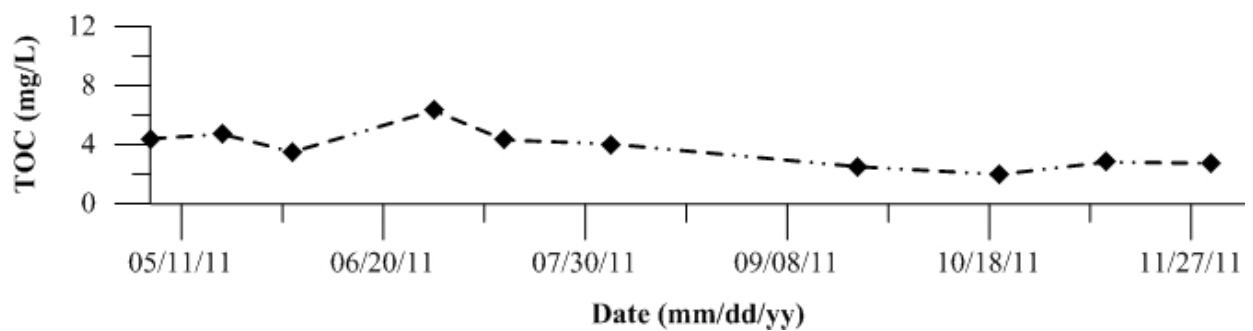


Figure 359: Total Organic Carbon (TOC) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

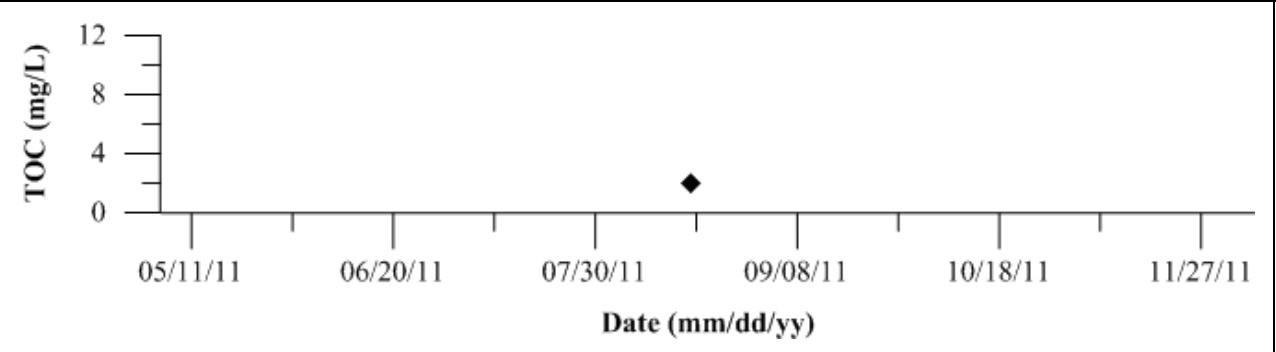


Figure 360: Total Organic Carbon (TOC) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

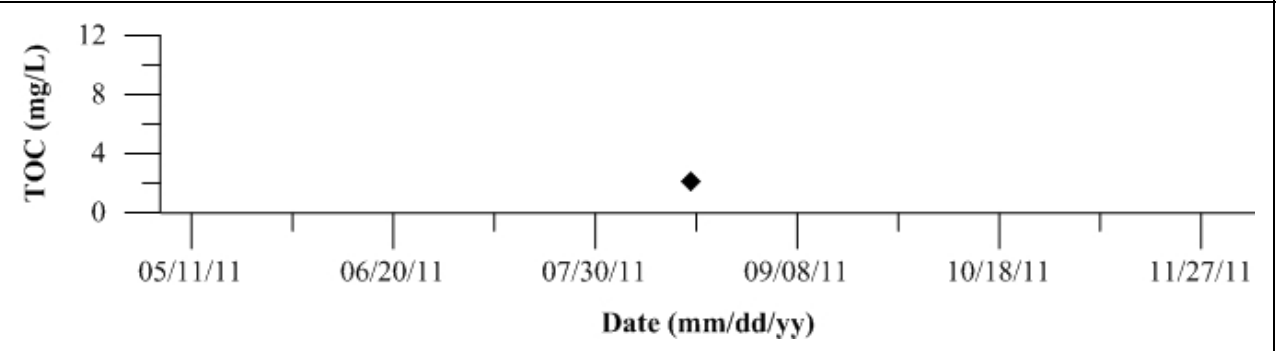


Figure 361: Total Organic Carbon (TOC) for Site 16 Merced River at River Road. Data collected in 2011.

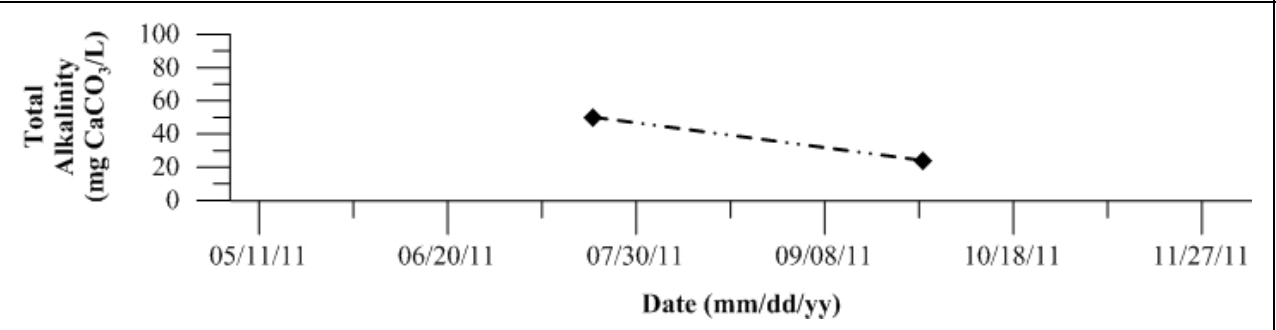


Figure 362: Total Organic Carbon (TOC) for Site 18 Mud Slough near Gustine. Data collected in 2011.

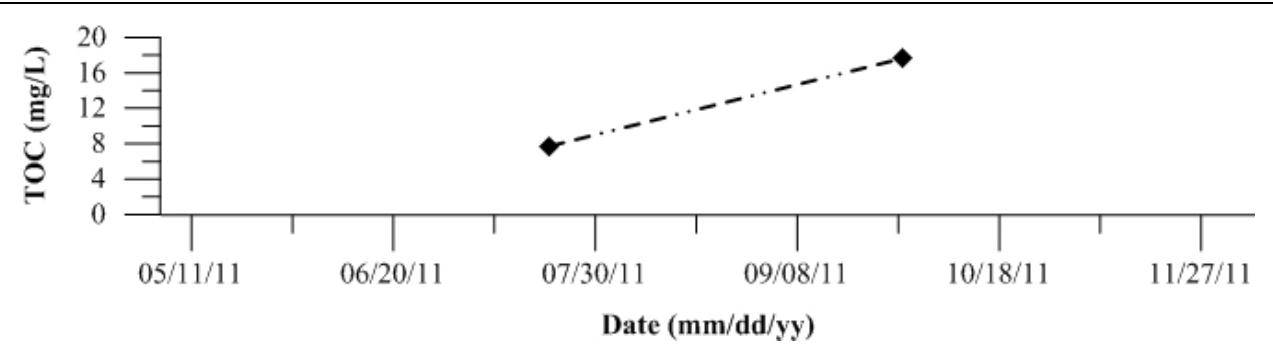


Figure 363: Total Organic Carbon (TOC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

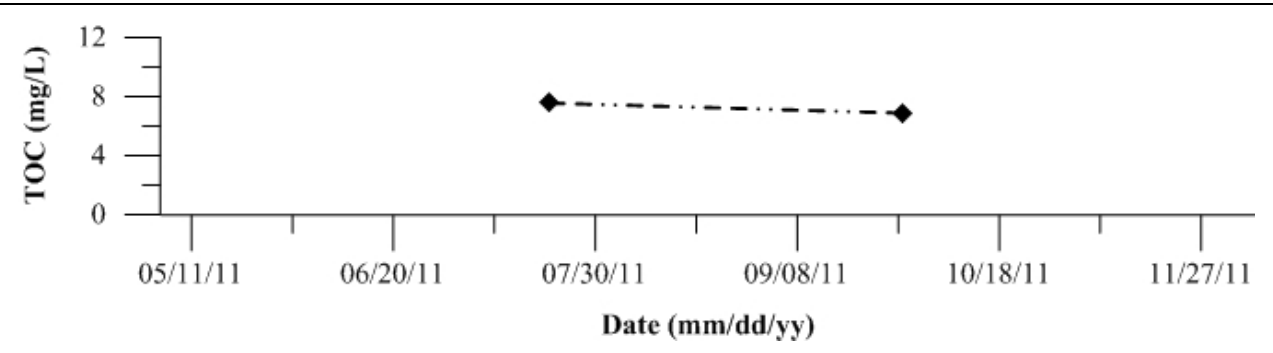


Figure 364: Total Organic Carbon (TOC) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

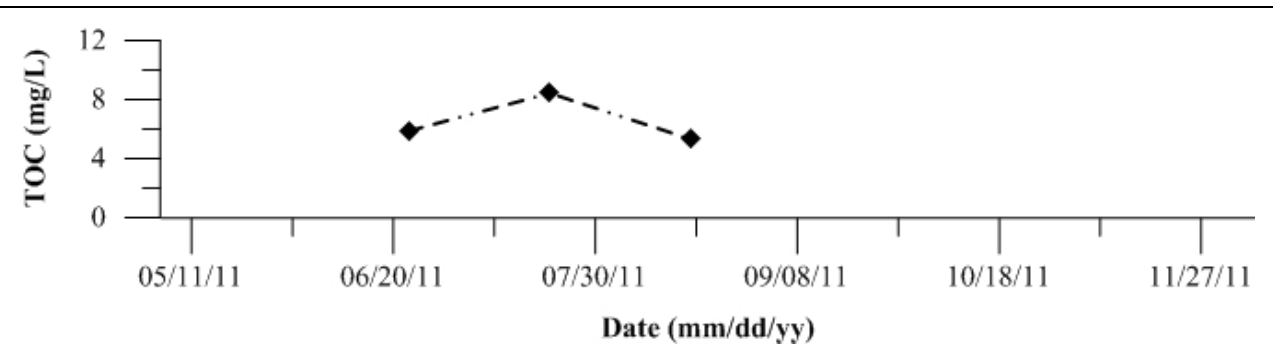


Figure 365: Total Organic Carbon (TOC) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

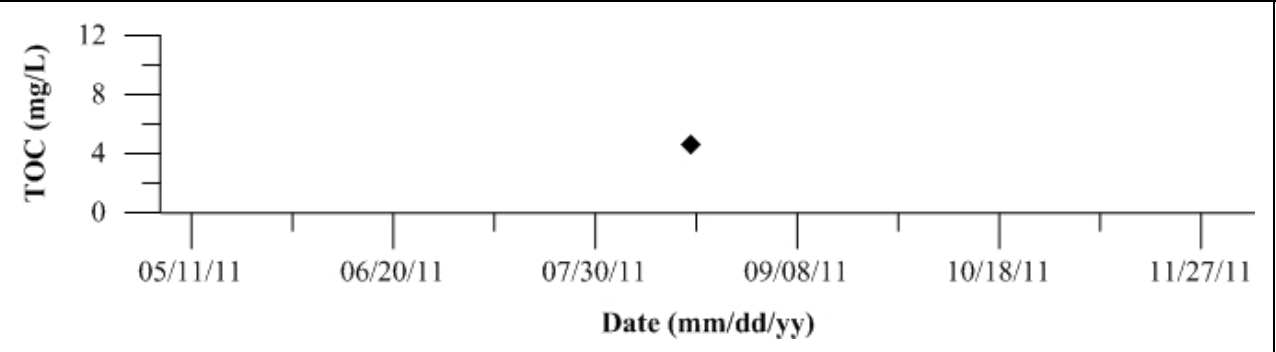


Figure 366: Total Organic Carbon (TOC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

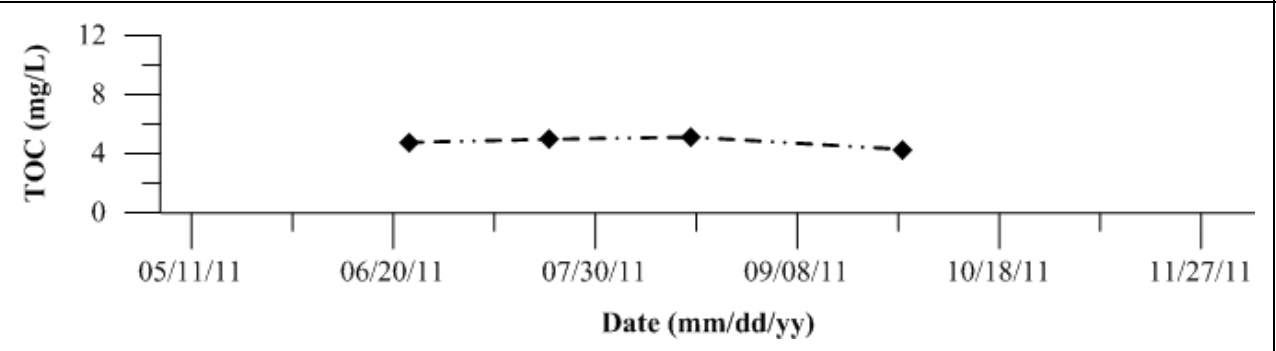


Figure 367: Total Organic Carbon (TOC) for Site 34 Ingram Creek. Data collected in 2011.

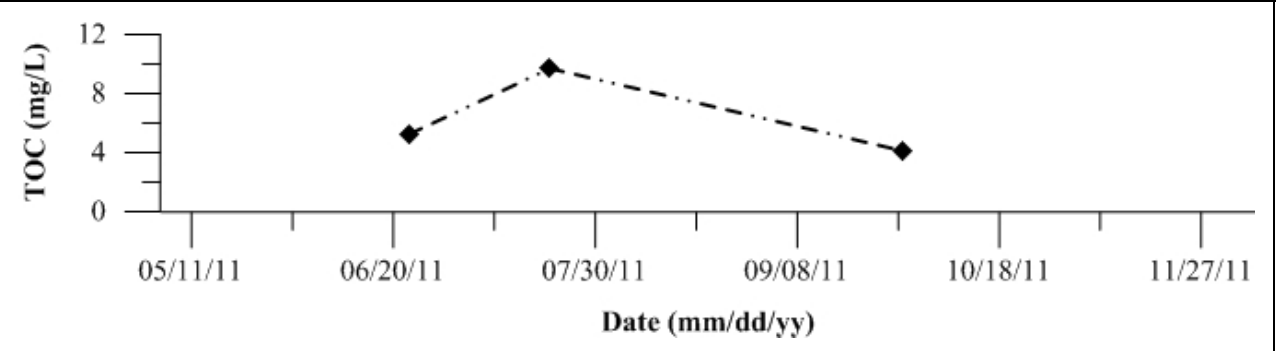


Figure 368: Total Organic Carbon (TOC) for Site 36 Del Puerto Creek. Data collected in 2011.

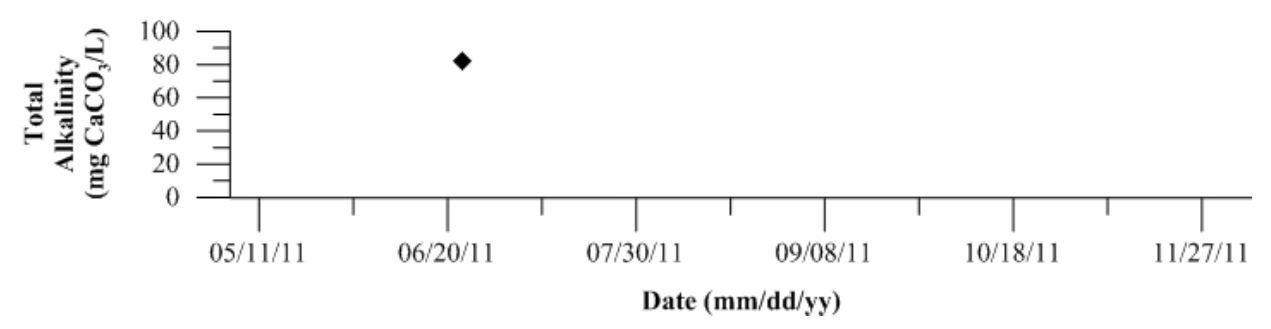


Figure 369: Total Organic Carbon (TOC) for Site 44 San Luis Drain End. Data collected in 2011.

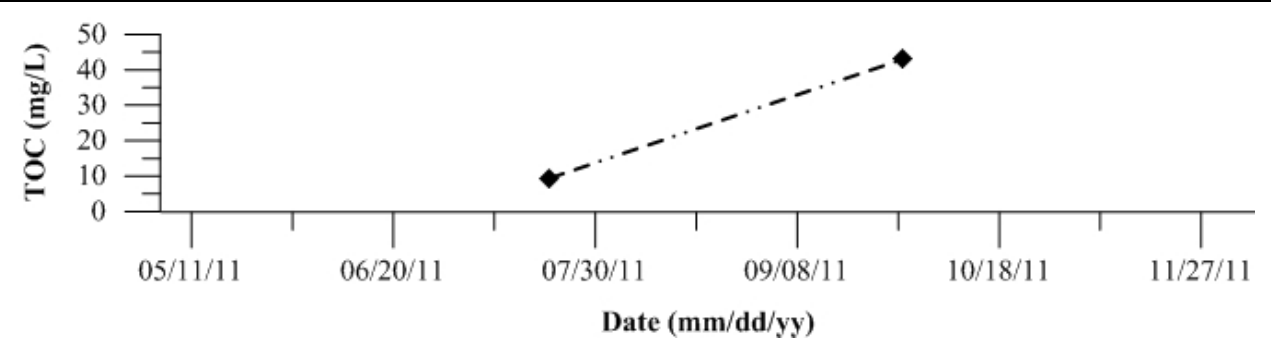


Figure 370: Total Organic Carbon (TOC) for Site 57 Ramona Lake. Data collected in 2011.

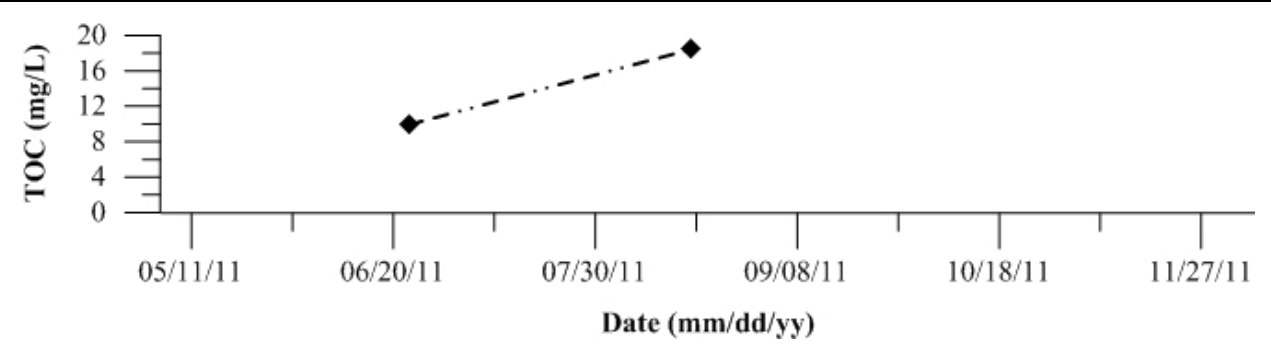


Figure 371: Total Organic Carbon (TOC) for Site 127 SJR at Brant Bridge. Data collected in 2011.

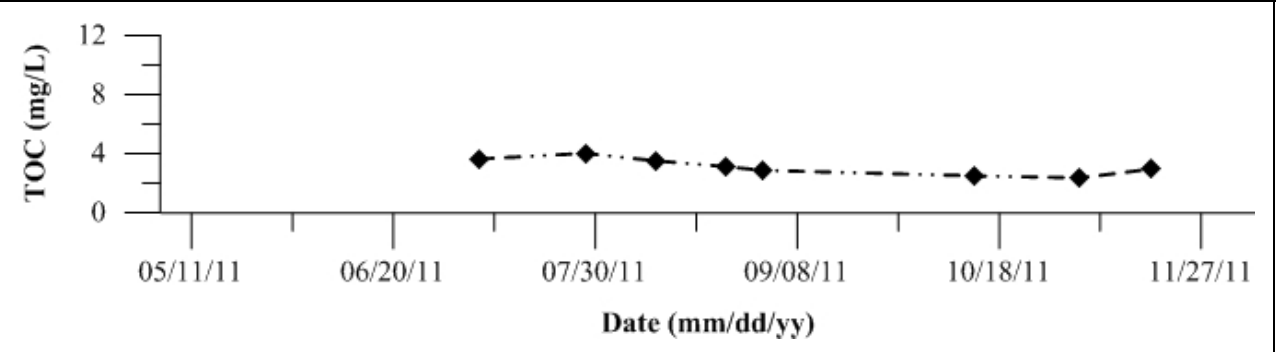


Figure 372: Total Organic Carbon (TOC) for Site 402 Light 18 (Node 96). Data collected in 2011.

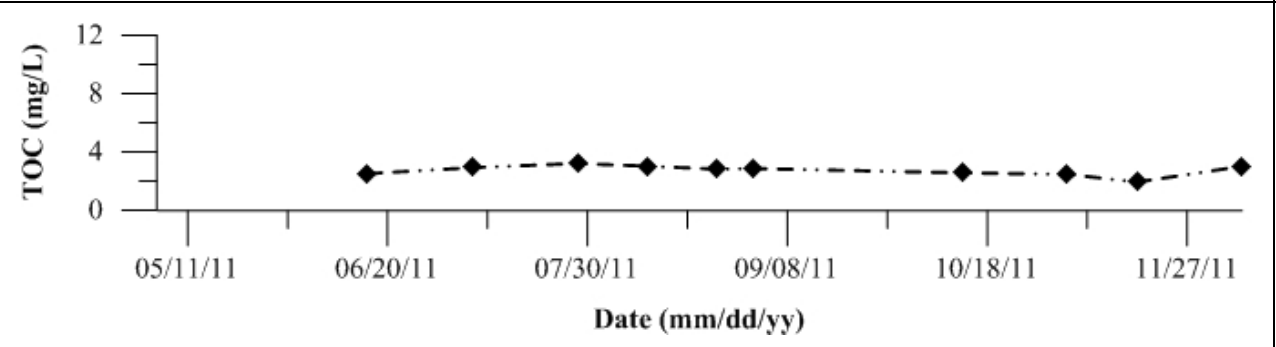


Figure 373: Total Organic Carbon (TOC) for Site 405 Calaveras River. Data collected in 2011.

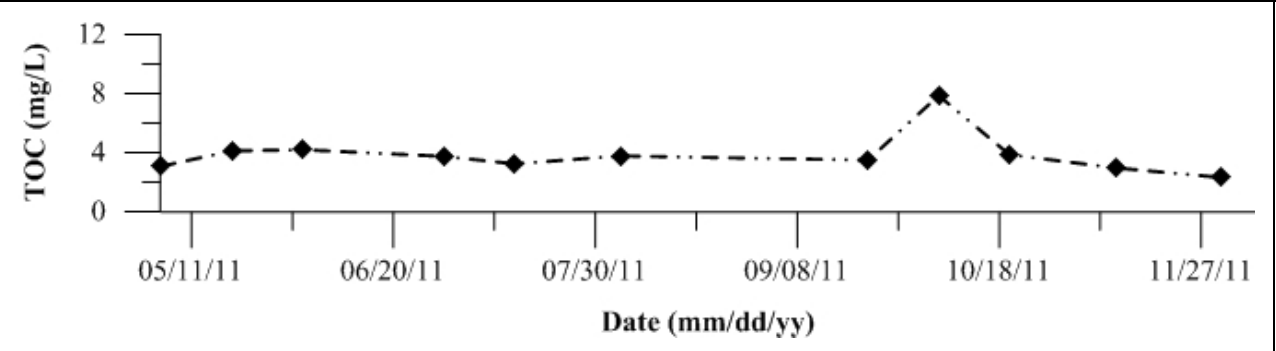


Figure 374: Total Organic Carbon (TOC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

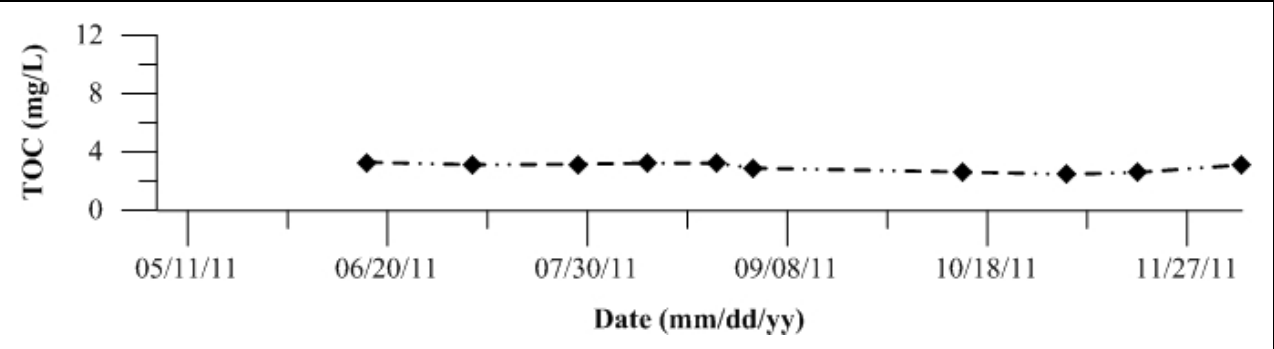


Figure 375: Total Organic Carbon (TOC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

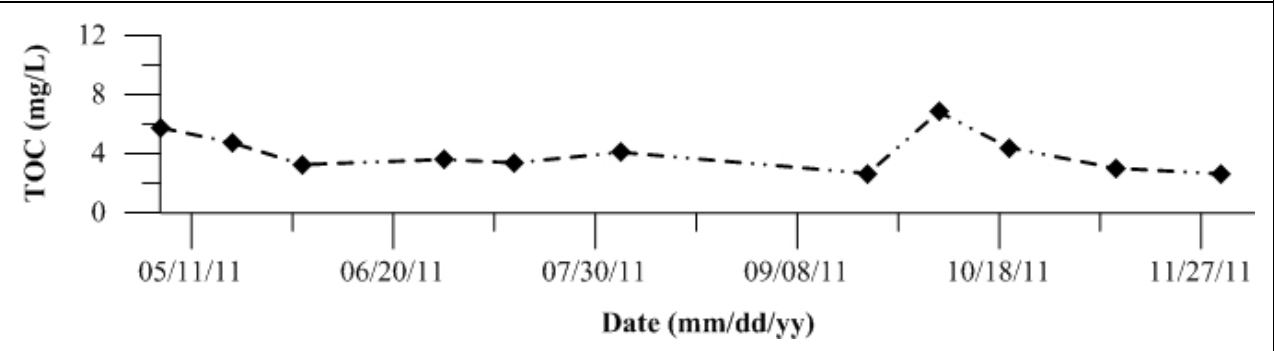


Figure 376: Total Organic Carbon (TOC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

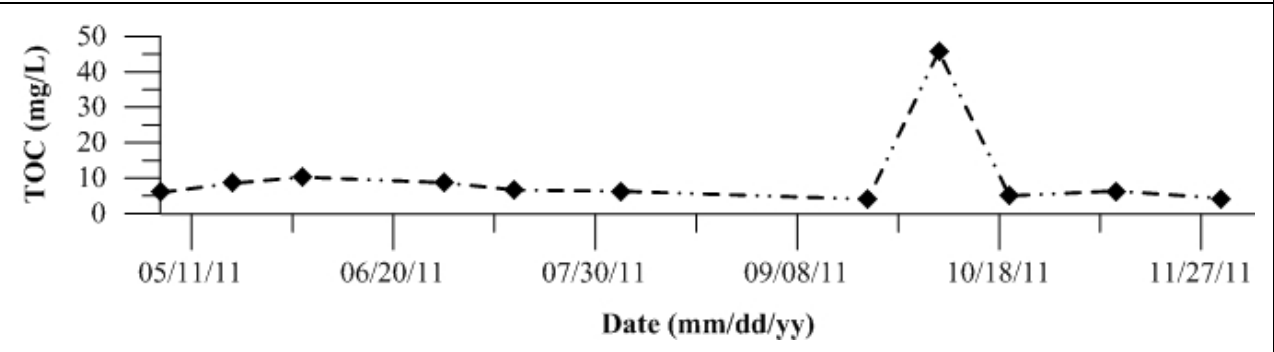


Figure 377: Total Organic Carbon (TOC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

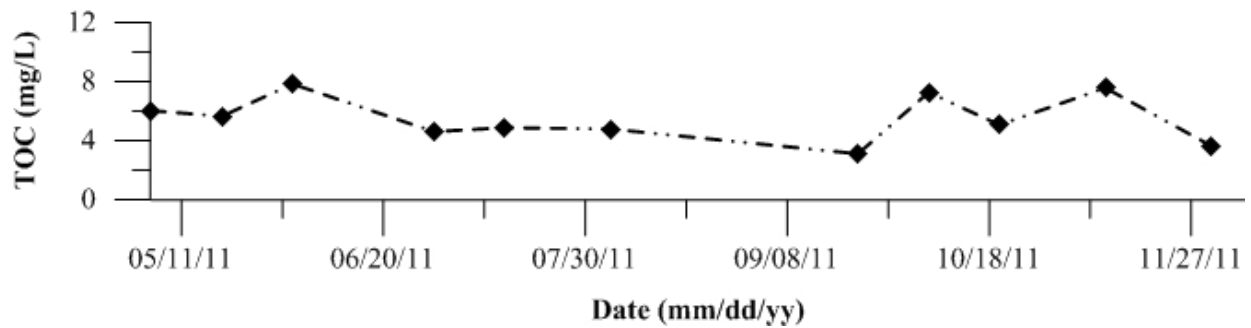


Figure 378: Total Organic Carbon (TOC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

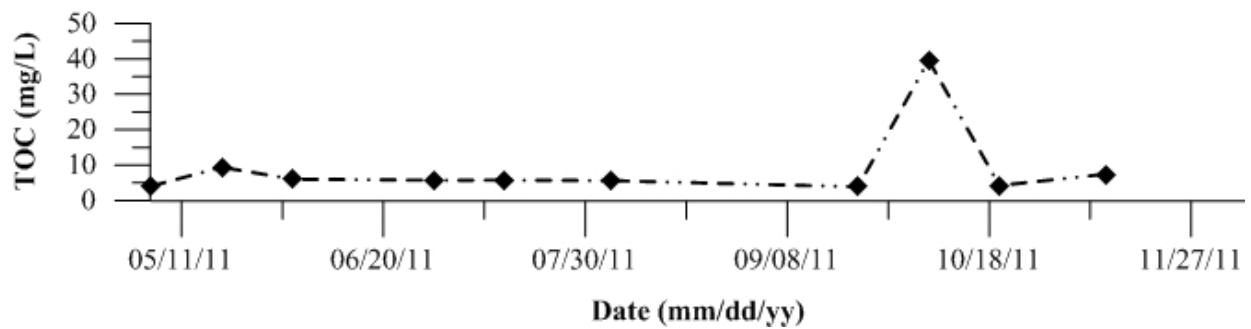


Figure 379: Total Organic Carbon (TOC) for Site 424 14mi Slough. Data collected in 2011.

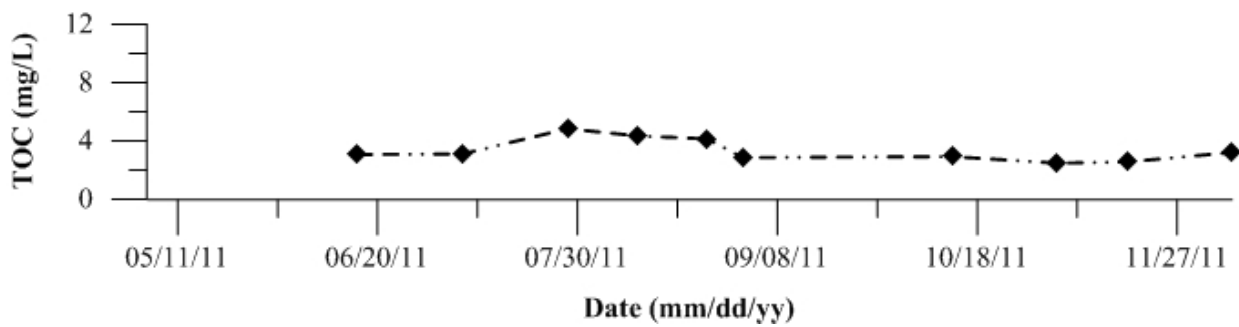


Figure 380: Total Organic Carbon (TOC) for Site 425 Turner Cut. Data collected in 2011.

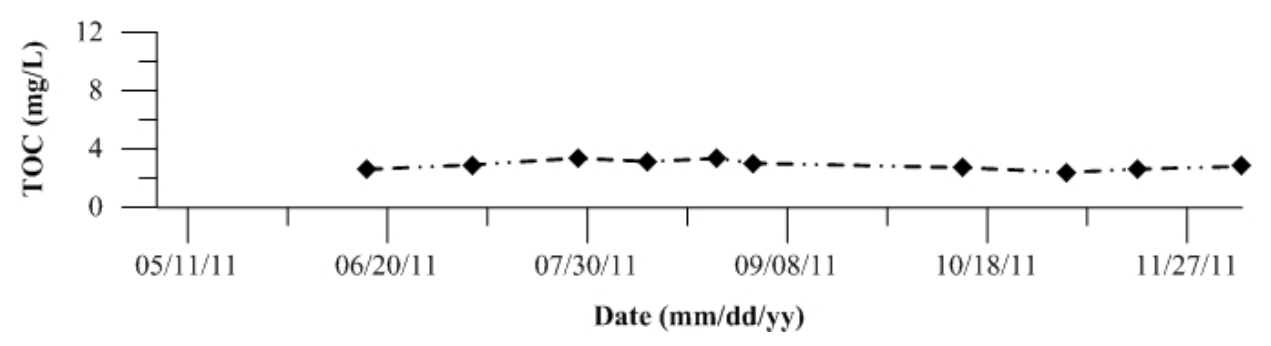


Figure 381: Total Organic Carbon (TOC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

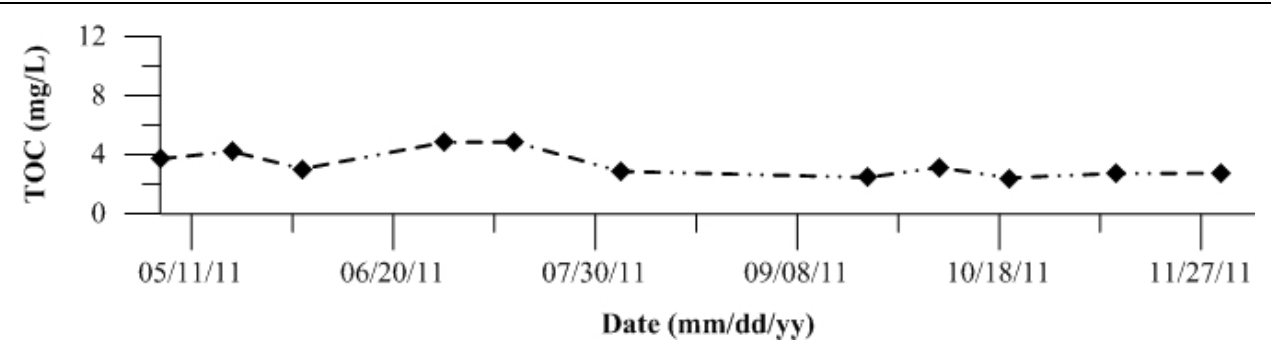


Figure 382: Total Organic Carbon (TOC) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

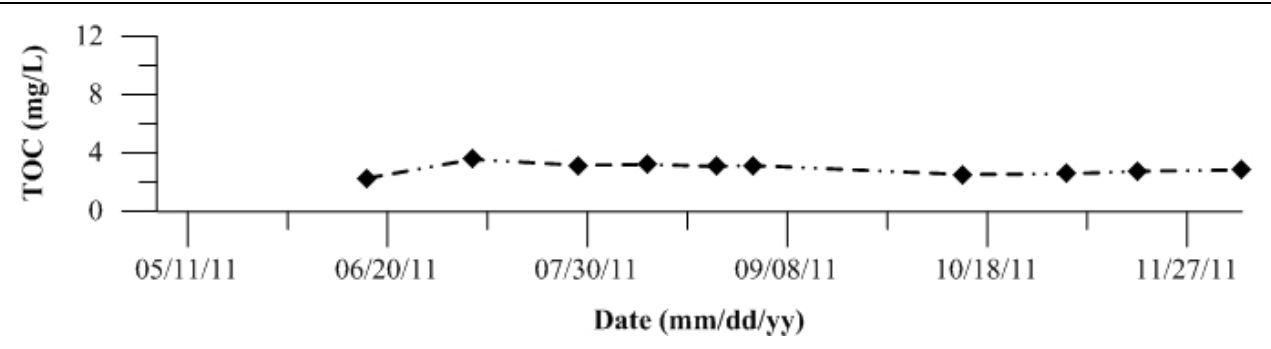


Figure 383: Total Organic Carbon (TOC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

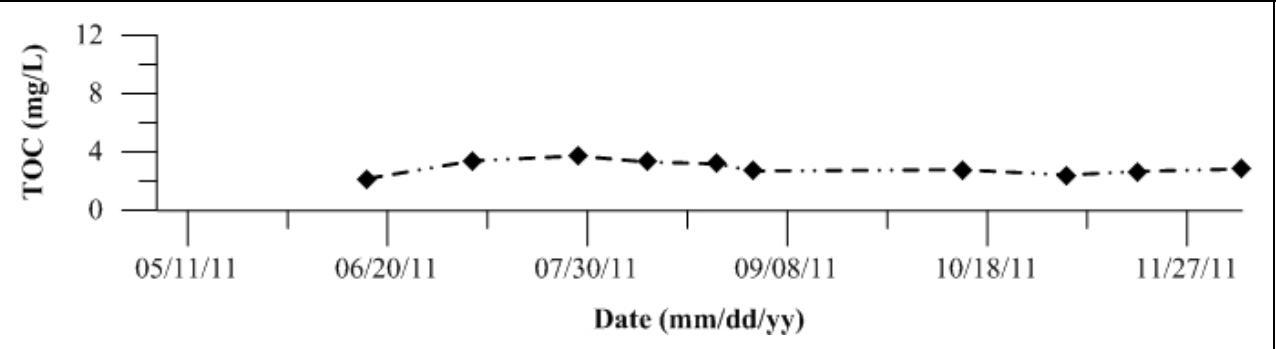
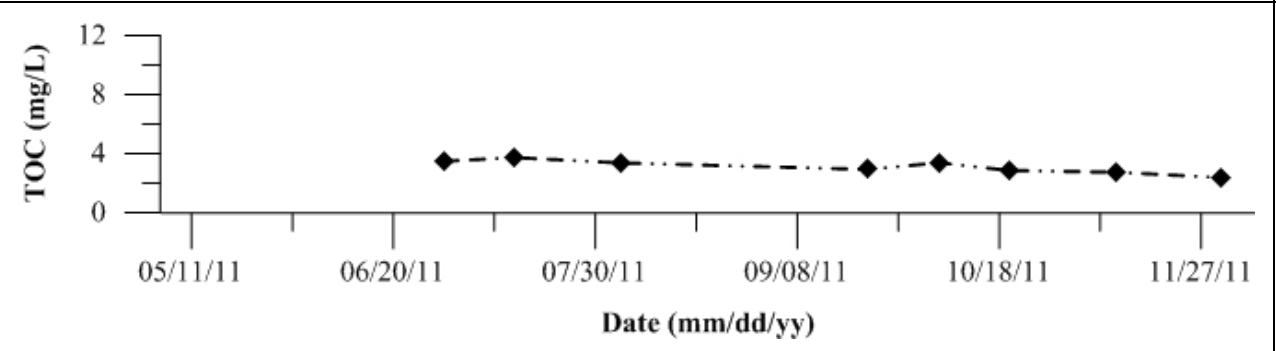


Figure 384: Total Organic Carbon (TOC) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 385-416: Temporal plots of Dissolved Organic Carbon (DOC) by Site ID

Figure 385: Dissolved Organic Carbon (DOC) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

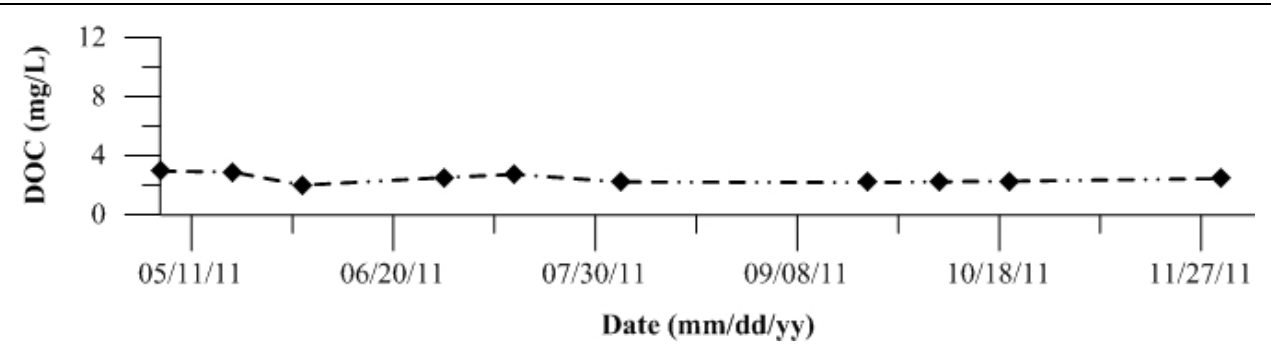


Figure 386: Dissolved Organic Carbon (DOC) for Site 4 SJR at Mossdale. Data collected in 2011.

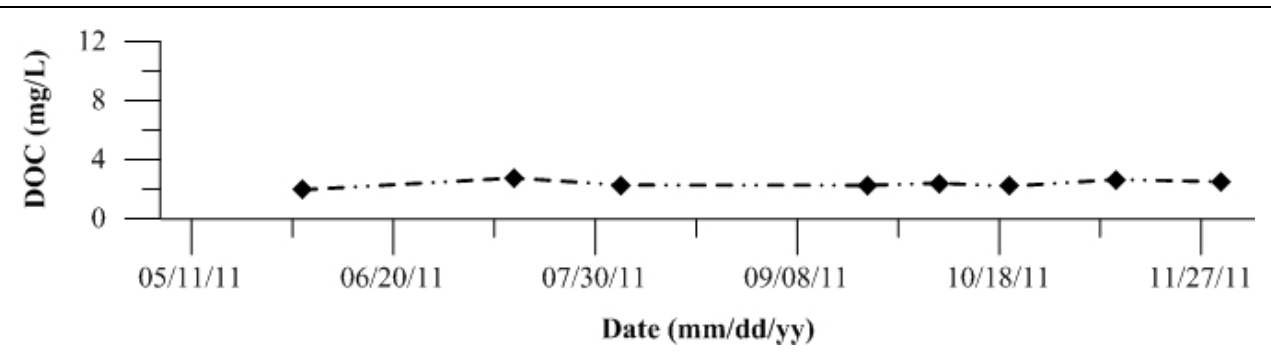


Figure 387: Dissolved Organic Carbon (DOC) for Site 5 SJR at McCune Station. Data collected in 2011.

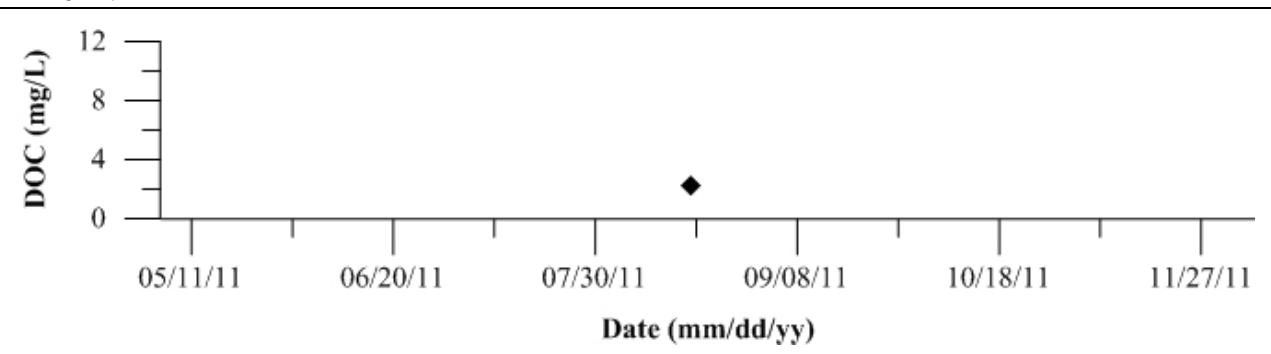


Figure 388: Dissolved Organic Carbon (DOC) for Site 7 SJR at Patterson. Data collected in 2011.

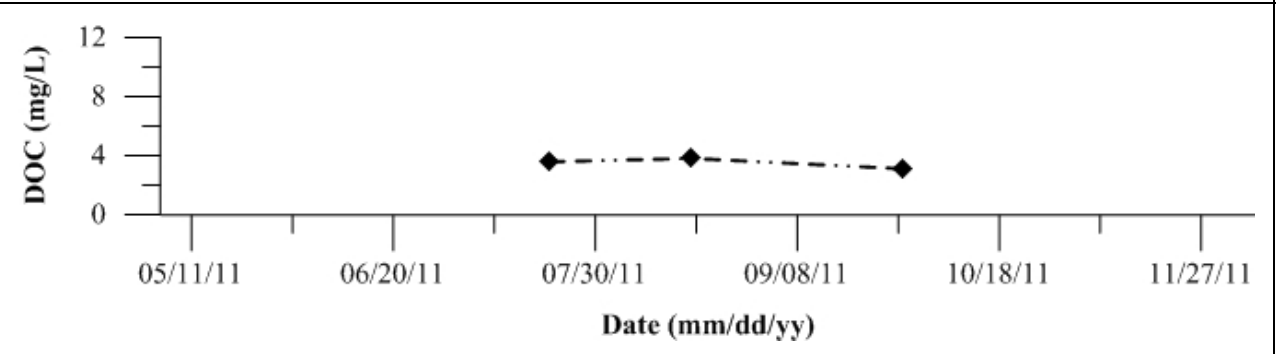


Figure 389: Dissolved Organic Carbon (DOC) for Site 10 SJR at Lander Avenue. Data collected in 2011.

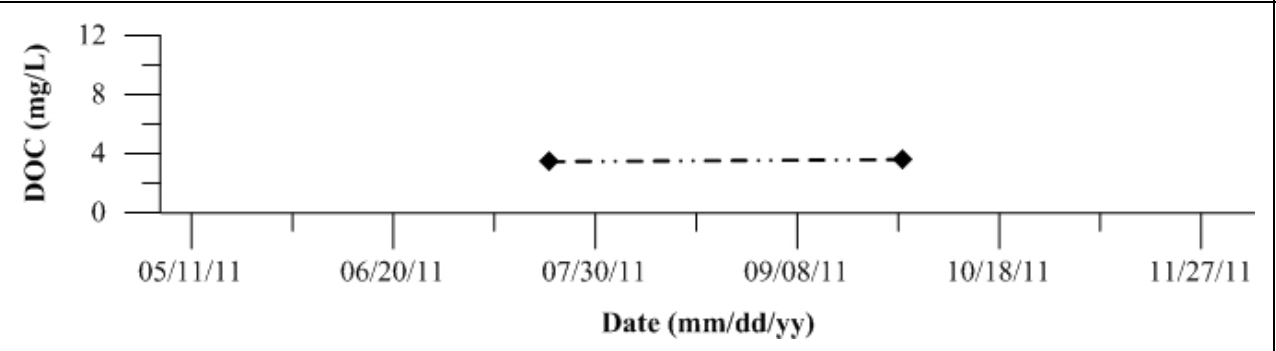


Figure 390: Dissolved Organic Carbon (DOC) for Site 11 French Camp Slough. Data collected in 2011.

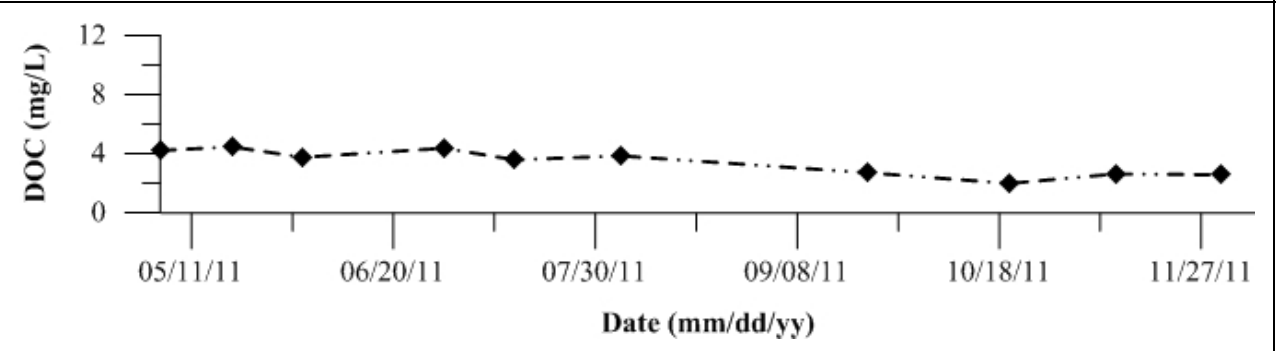


Figure 391: Dissolved Organic Carbon (DOC) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

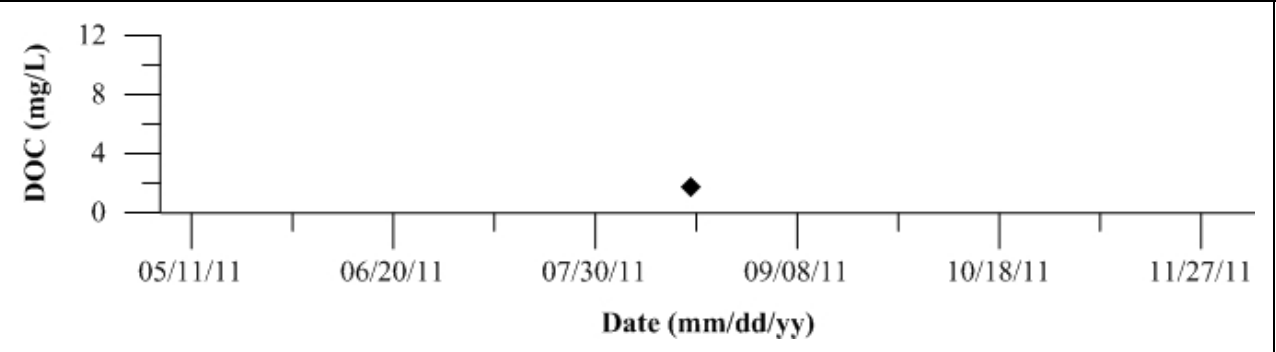


Figure 392: Dissolved Organic Carbon (DOC) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

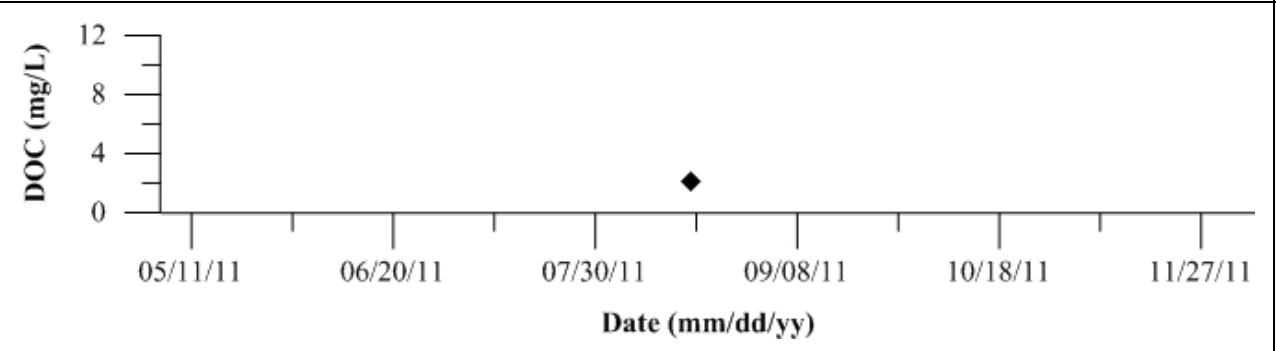


Figure 393: Dissolved Organic Carbon (DOC) for Site 16 Merced River at River Road. Data collected in 2011.

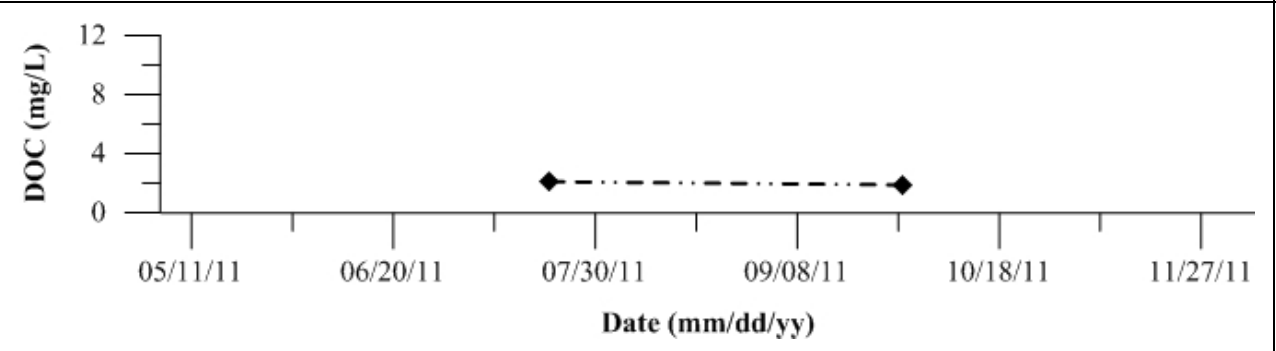


Figure 394: Dissolved Organic Carbon (DOC) for Site 18 Mud Slough near Gustine. Data collected in 2011.

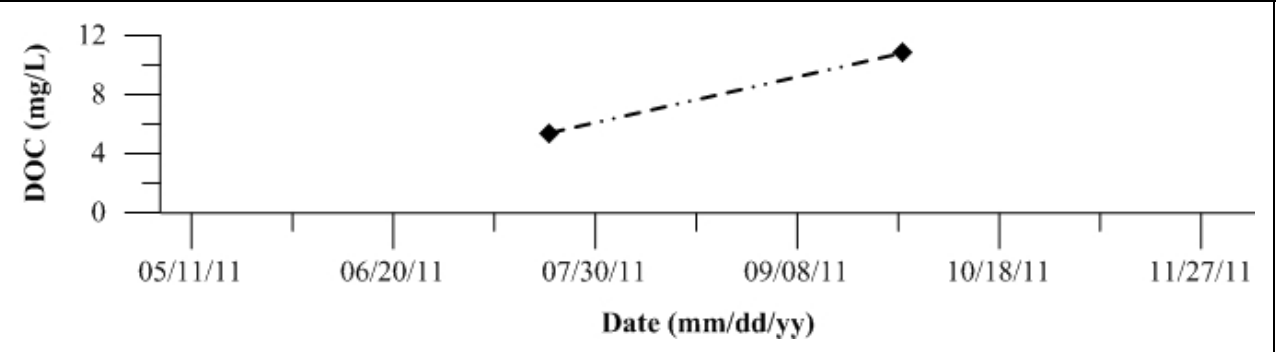


Figure 395: Dissolved Organic Carbon (DOC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

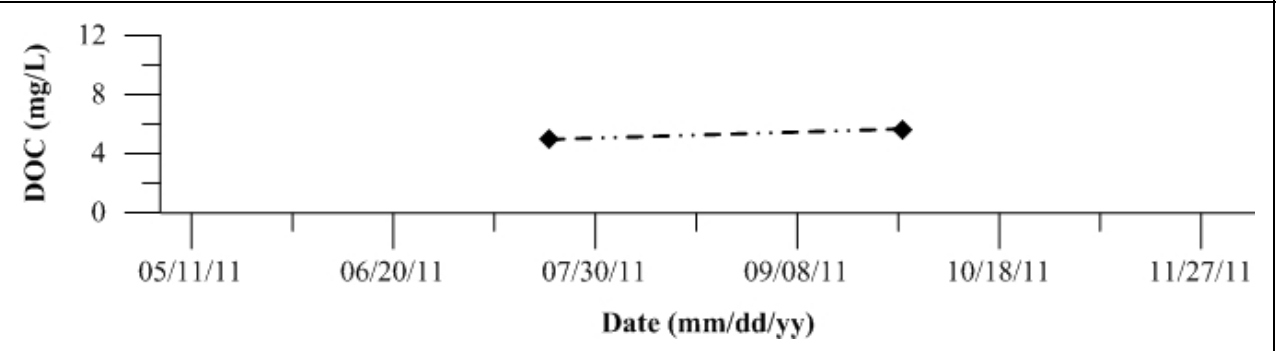


Figure 396: Dissolved Organic Carbon (DOC) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

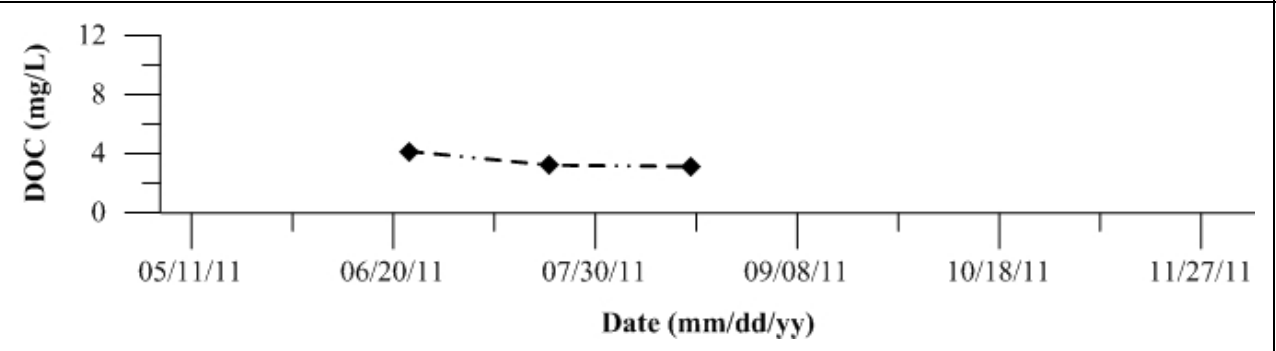


Figure 397: Dissolved Organic Carbon (DOC) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

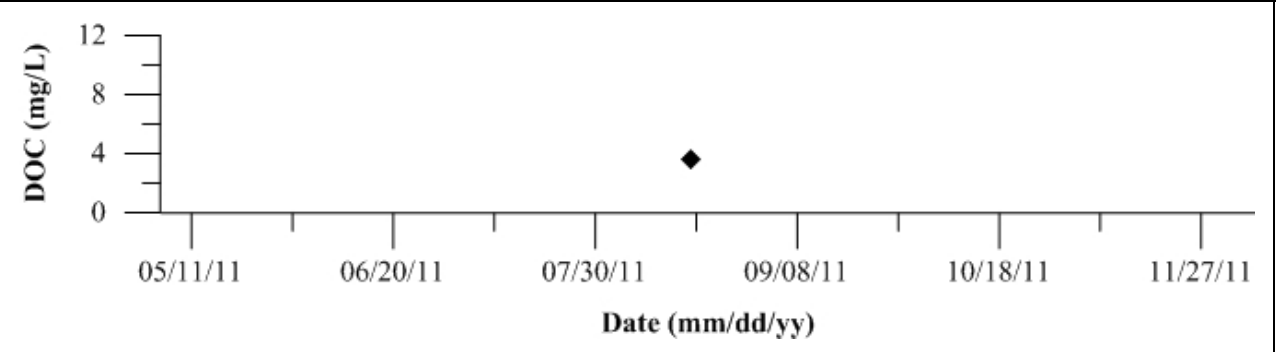


Figure 398: Dissolved Organic Carbon (DOC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

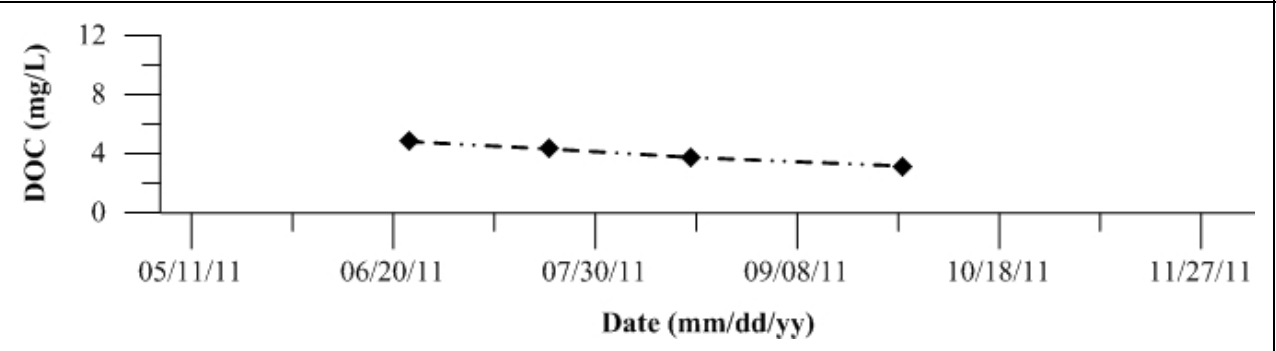


Figure 399: Dissolved Organic Carbon (DOC) for Site 34 Ingram Creek. Data collected in 2011.

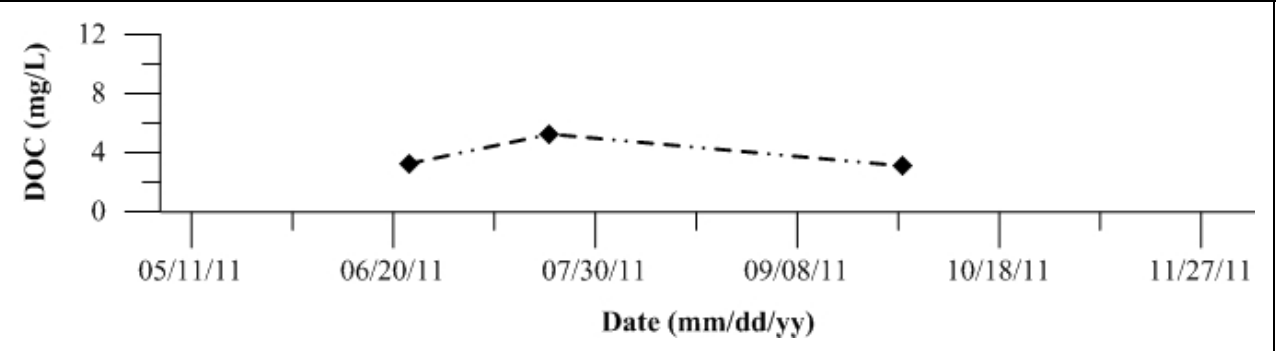


Figure 400: Dissolved Organic Carbon (DOC) for Site 36 Del Puerto Creek. Data collected in 2011.

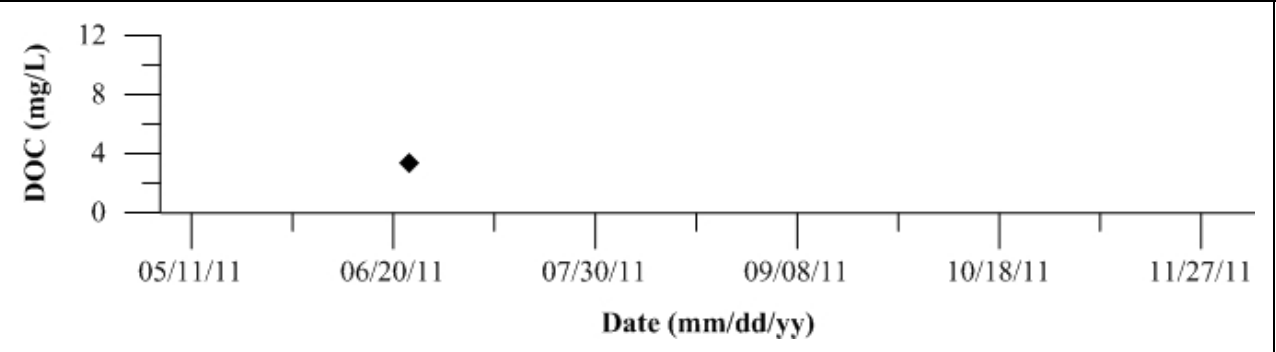


Figure 401: Dissolved Organic Carbon (DOC) for Site 44 San Luis Drain End. Data collected in 2011.

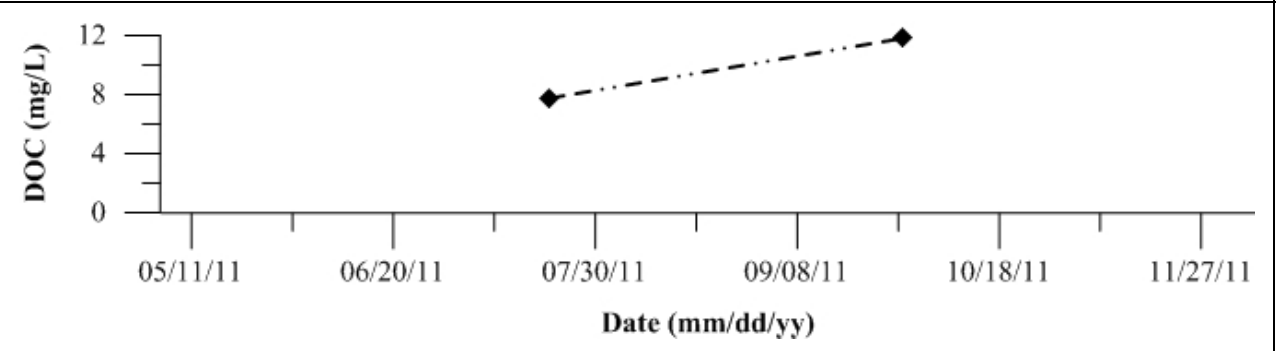


Figure 402: Dissolved Organic Carbon (DOC) for Site 57 Ramona Lake. Data collected in 2011.

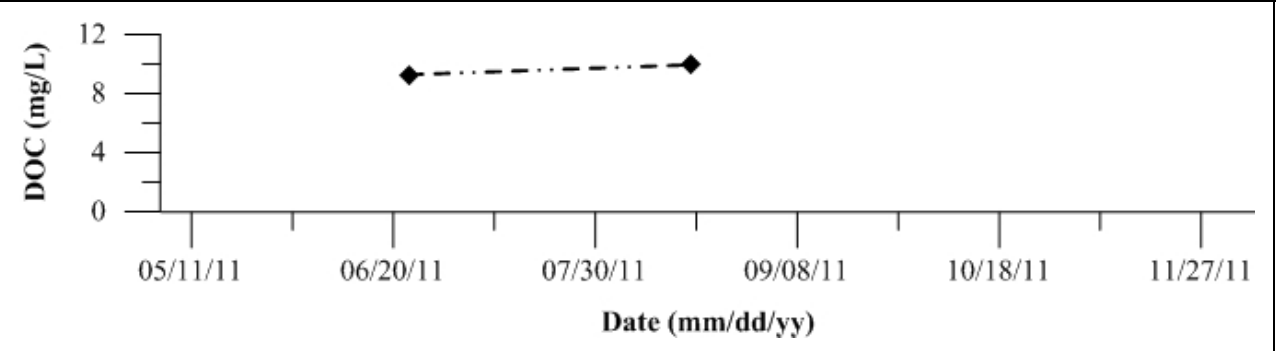


Figure 403: Dissolved Organic Carbon (DOC) for Site 127 SJR at Brant Bridge. Data collected in 2011.

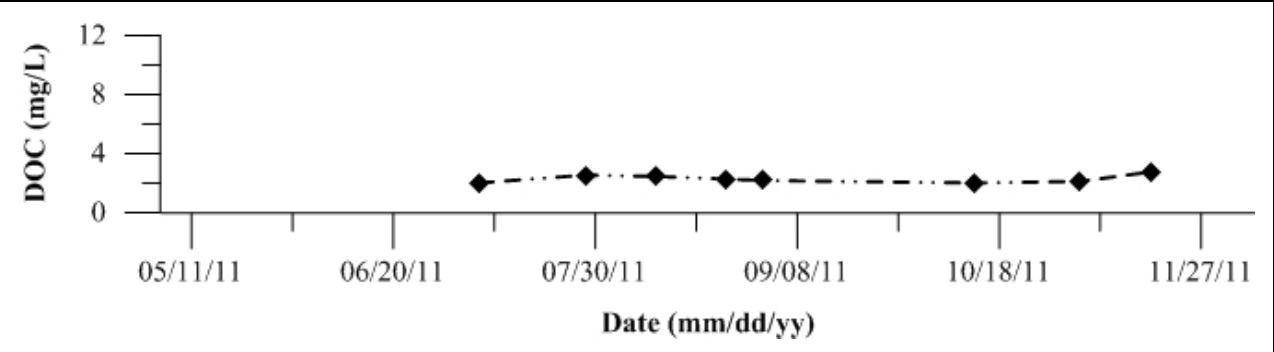


Figure 404: Dissolved Organic Carbon (DOC) for Site 402 Light 18 (Node 96). Data collected in 2011.

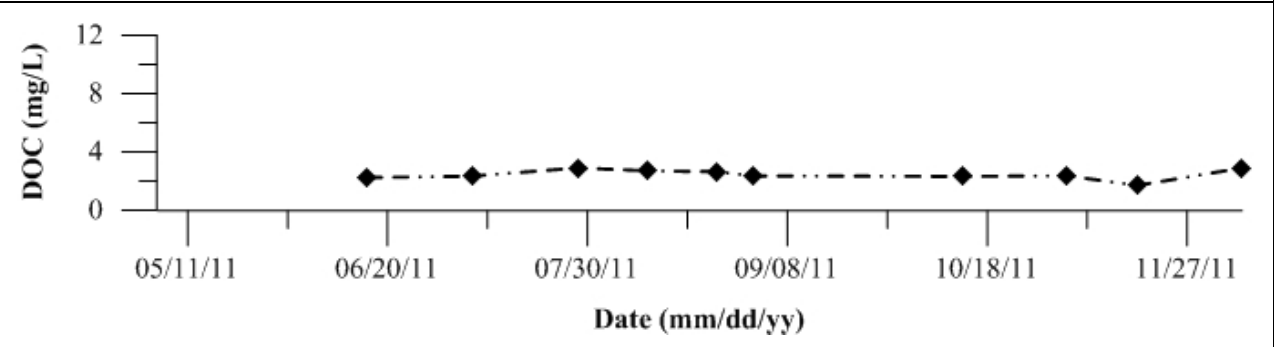


Figure 405: Dissolved Organic Carbon (DOC) for Site 405 Calaveras River. Data collected in 2011.

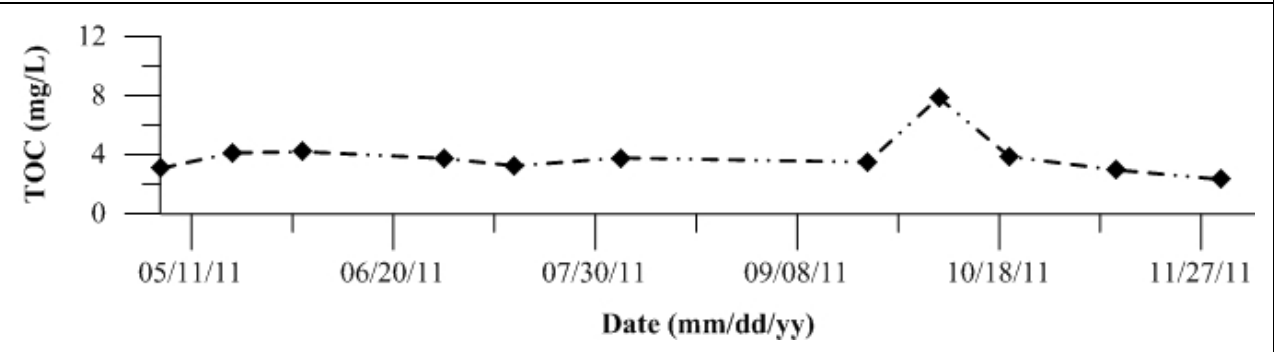


Figure 406: Dissolved Organic Carbon (DOC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

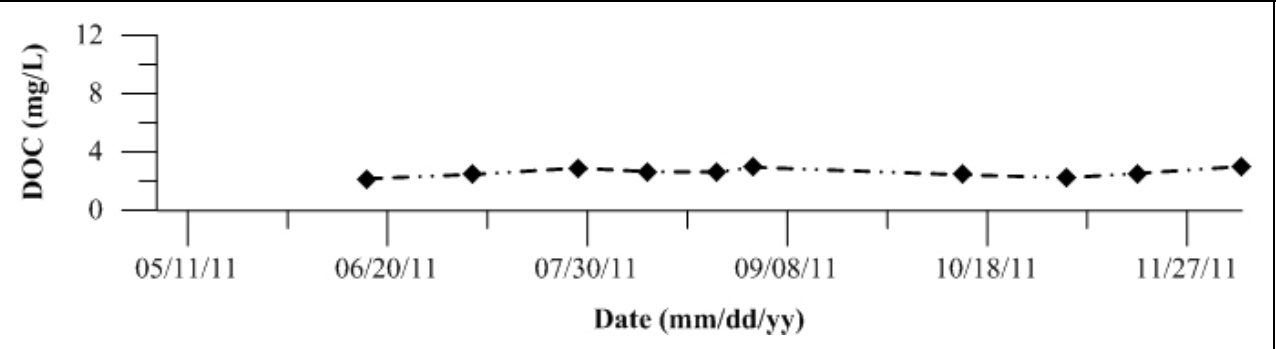


Figure 407: Dissolved Organic Carbon (DOC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

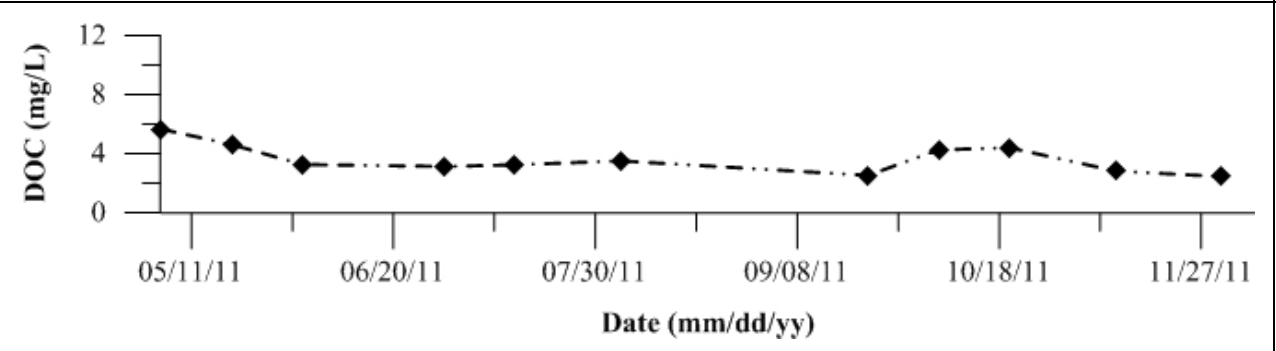


Figure 408: Dissolved Organic Carbon (DOC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

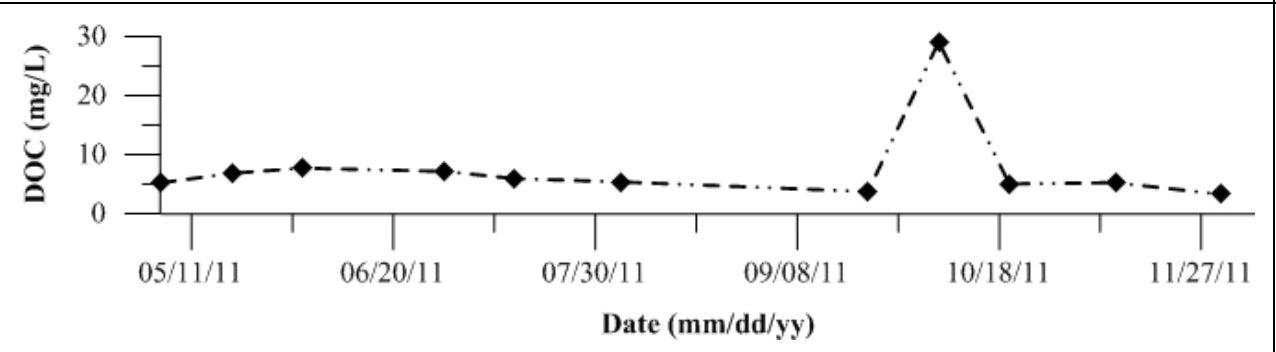


Figure 409: Dissolved Organic Carbon (DOC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

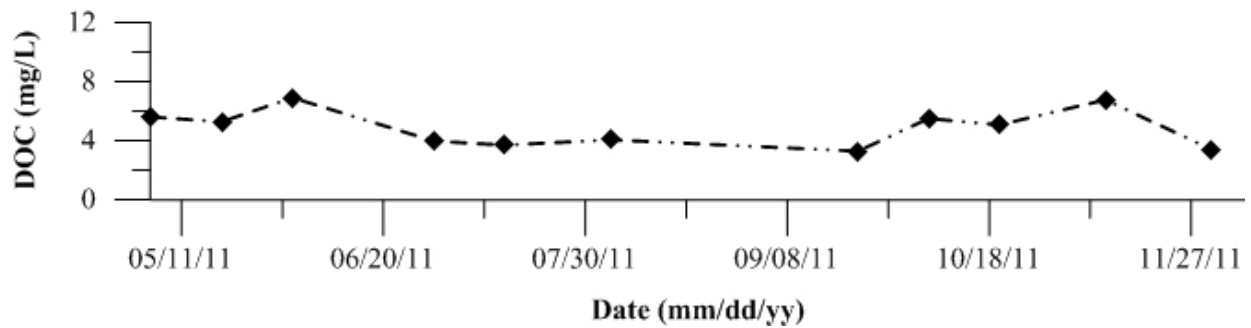


Figure 410: Dissolved Organic Carbon (DOC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

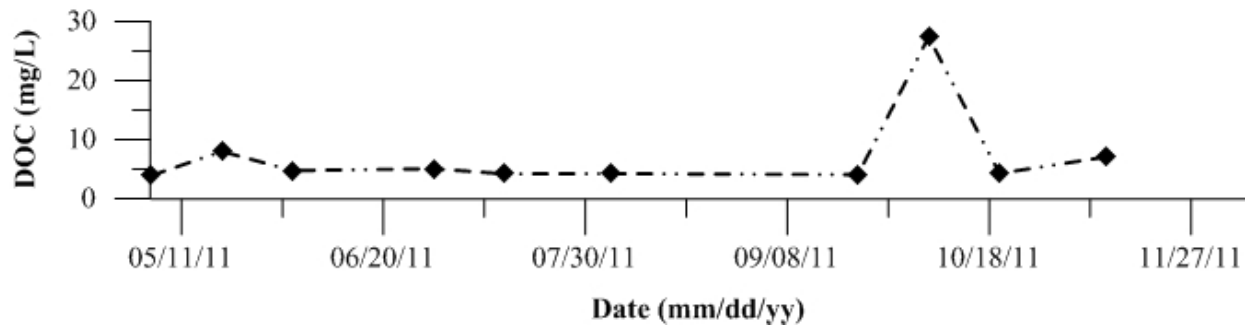


Figure 411: Dissolved Organic Carbon (DOC) for Site 424 14mi Slough. Data collected in 2011.

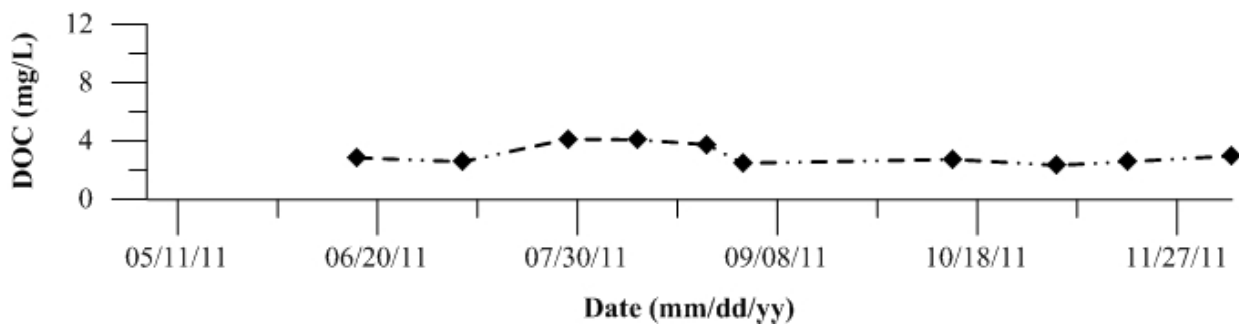


Figure 412: Dissolved Organic Carbon (DOC) for Site 425 Turner Cut. Data collected in 2011.

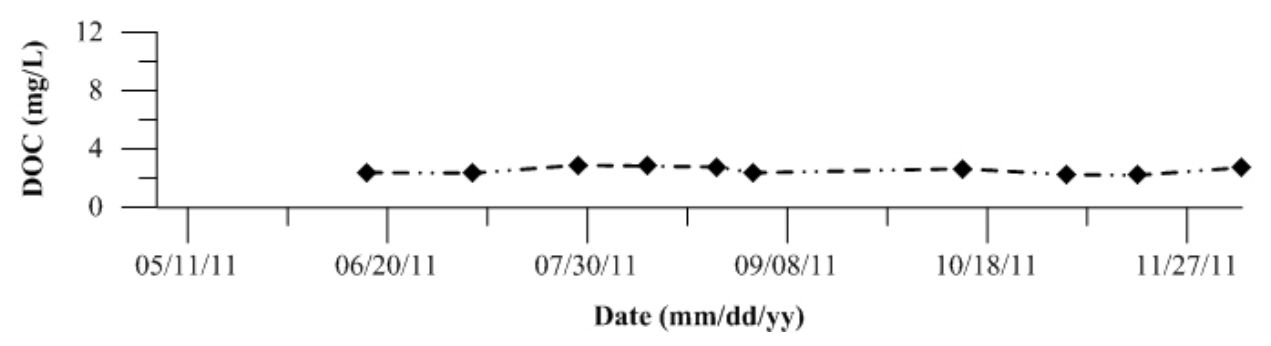


Figure 413: Dissolved Organic Carbon (DOC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

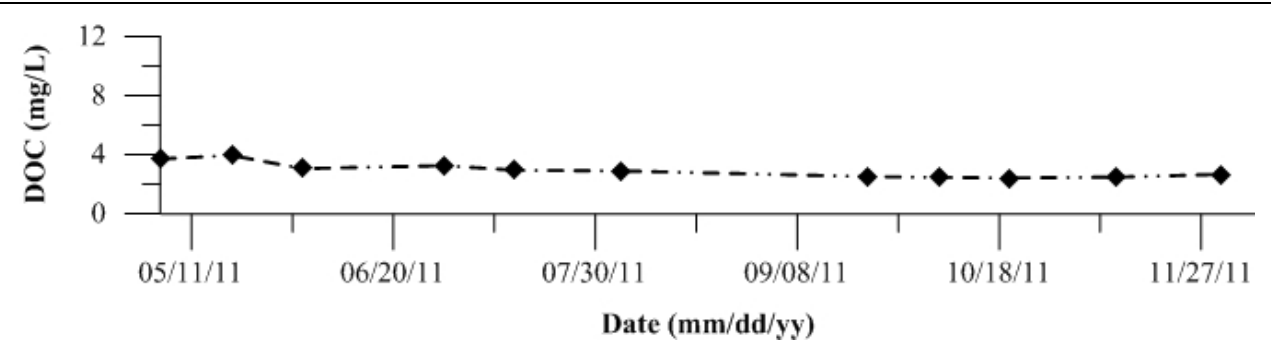


Figure 414: Dissolved Organic Carbon (DOC) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

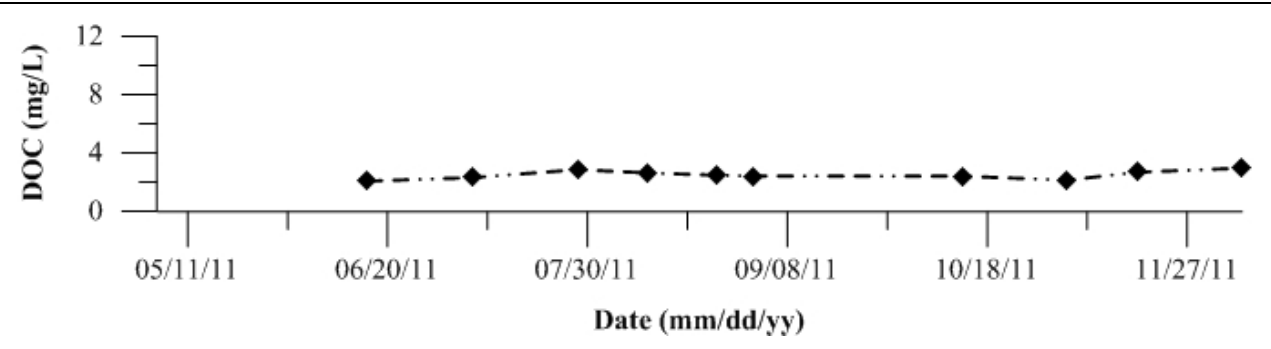


Figure 415: Dissolved Organic Carbon (DOC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

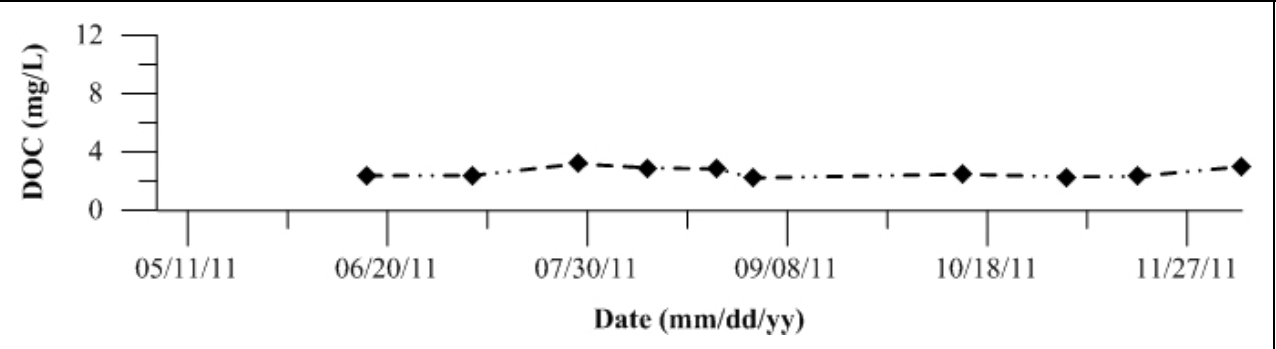
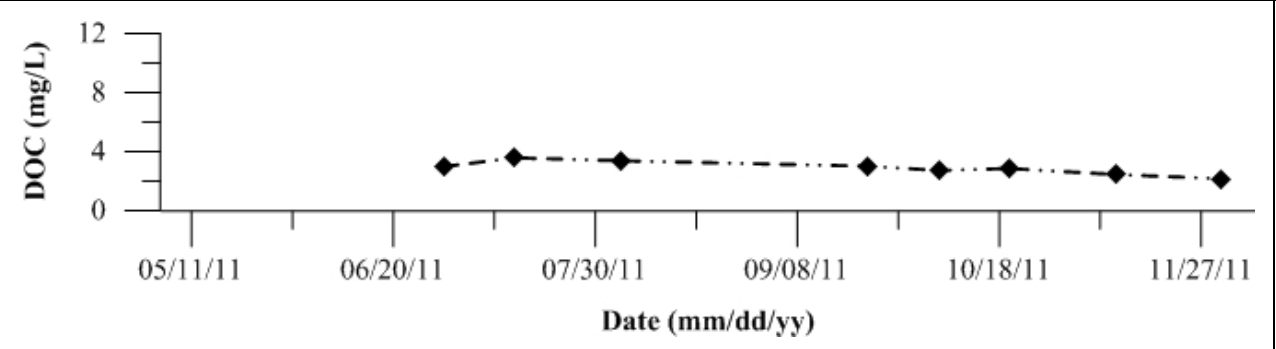


Figure 416: Dissolved Organic Carbon (DOC) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 417-448: Temporal plots of Inorganic Carbon (IC) by Site ID

Figure 417: Inorganic Carbon (IC) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

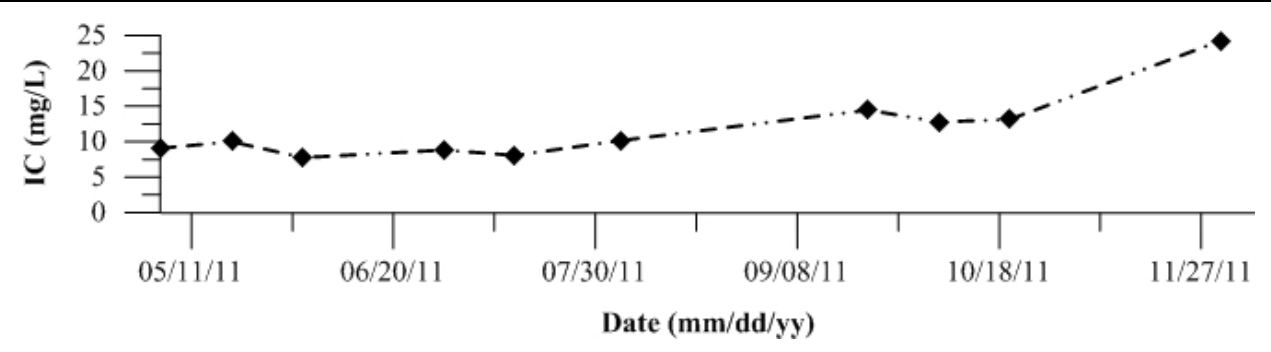


Figure 418: Inorganic Carbon (IC) for Site 4 SJR at Mossdale. Data collected in 2011.

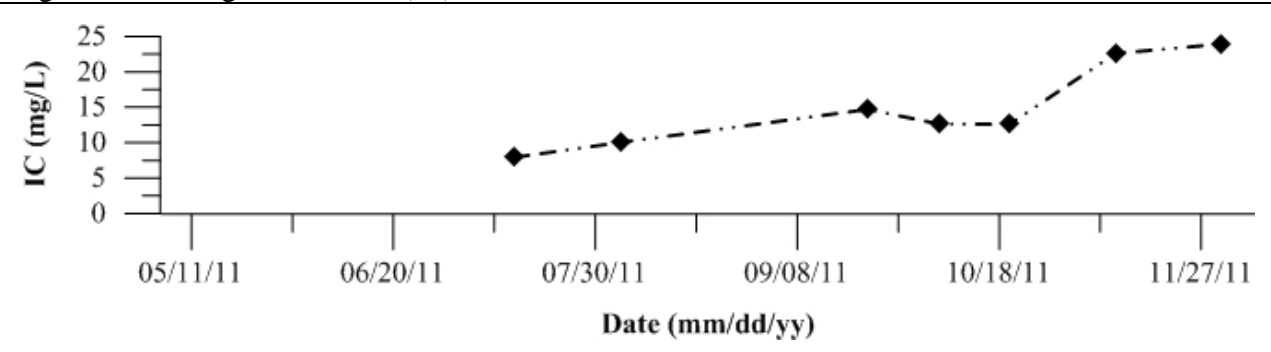


Figure 419: Inorganic Carbon (IC) for Site 5 SJR at McCune Station. Data collected in 2011.

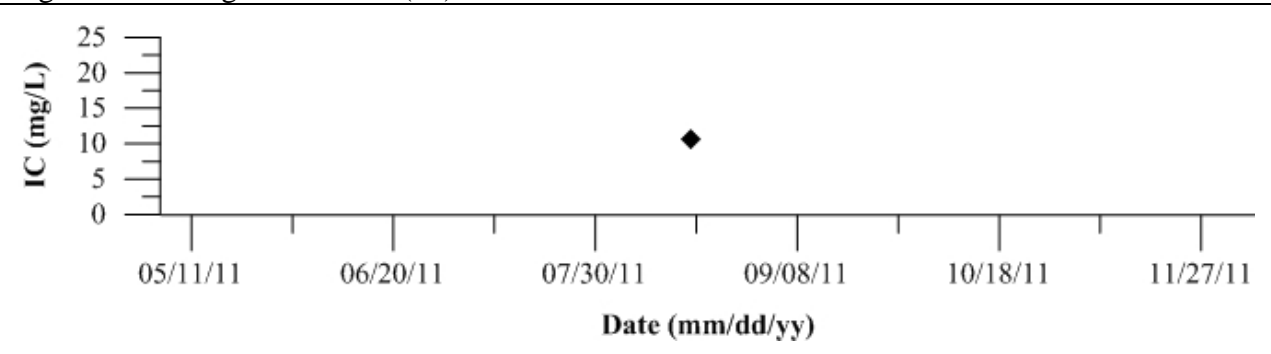


Figure 420: Inorganic Carbon (IC) for Site 7 SJR at Patterson. Data collected in 2011.

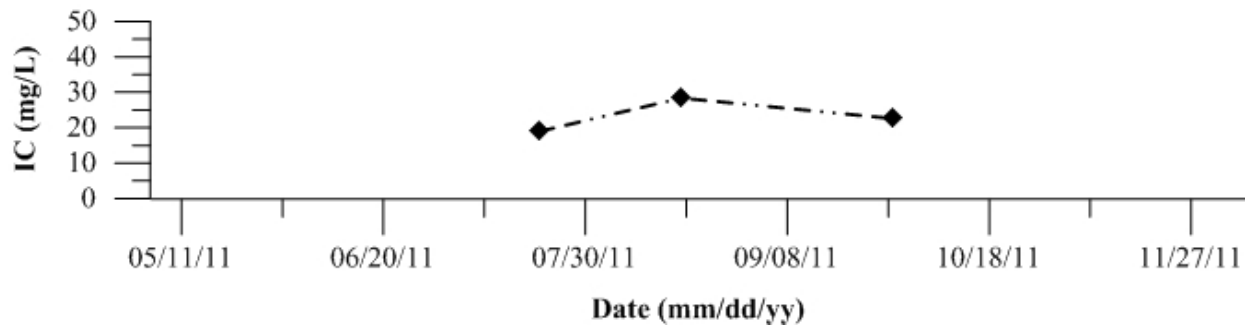


Figure 421: Inorganic Carbon (IC) for Site 10 SJR at Lander Avenue. Data collected in 2011.

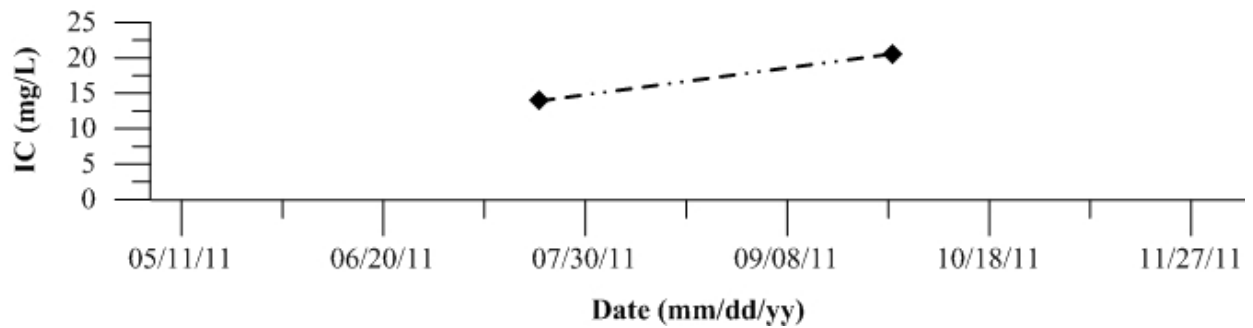


Figure 422: Inorganic Carbon (IC) for Site 11 French Camp Slough. Data collected in 2011.

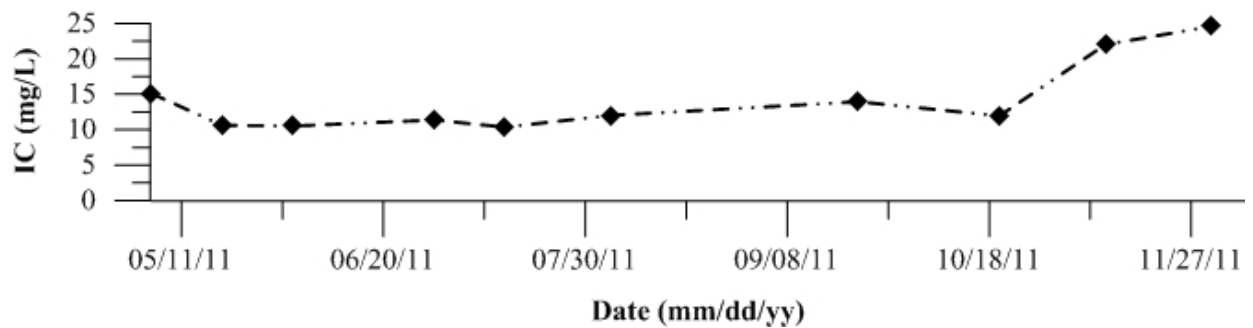


Figure 423: Inorganic Carbon (IC) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

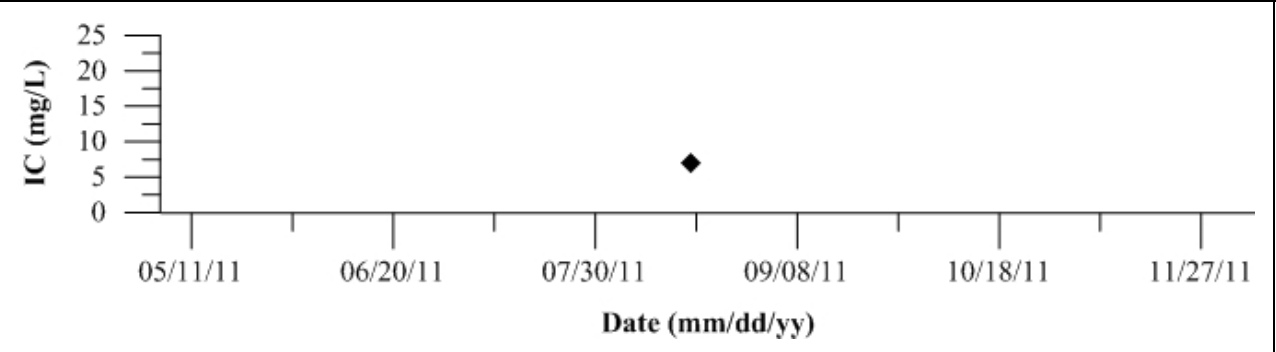


Figure 424: Inorganic Carbon (IC) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

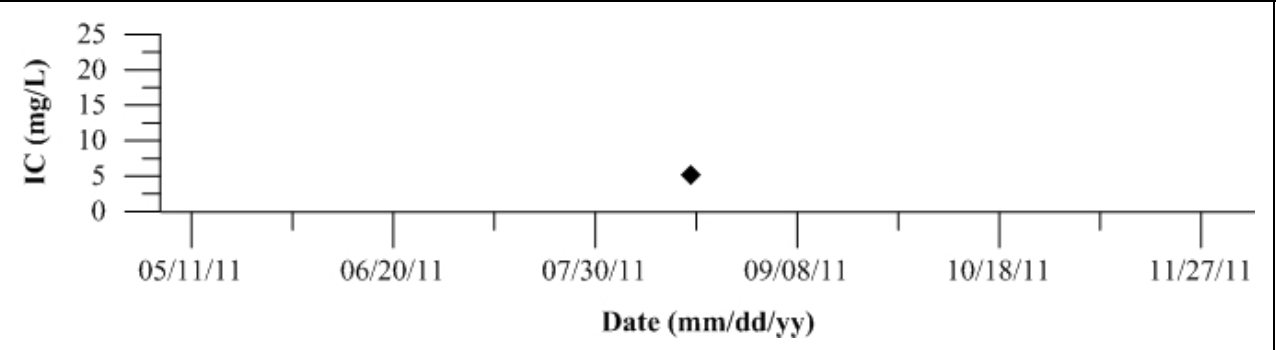


Figure 425: Inorganic Carbon (IC) for Site 16 Merced River at River Road. Data collected in 2011.

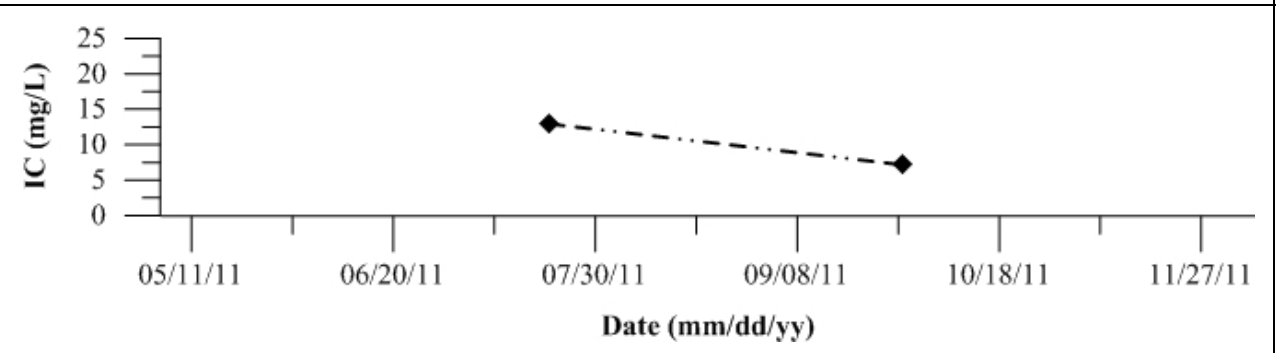


Figure 426: Inorganic Carbon (IC) for Site 18 Mud Slough near Gustine. Data collected in 2011.

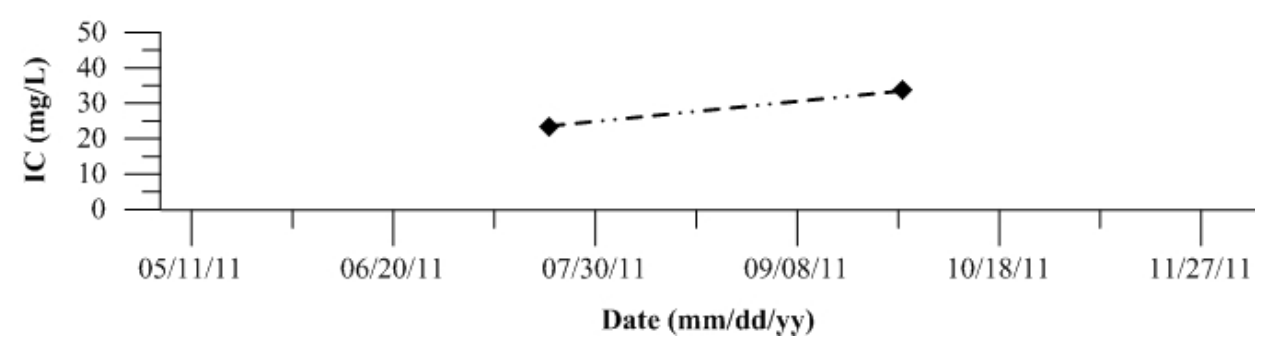


Figure 427: Inorganic Carbon (IC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

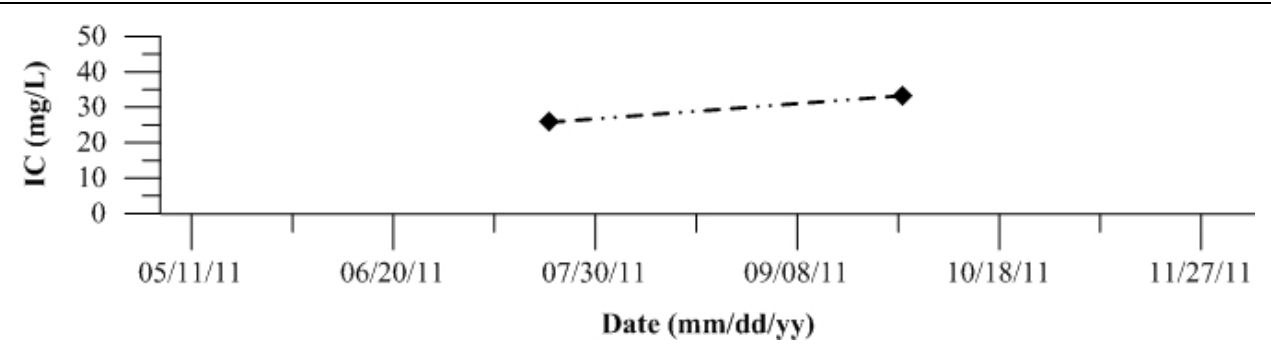


Figure 428: Inorganic Carbon (IC) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

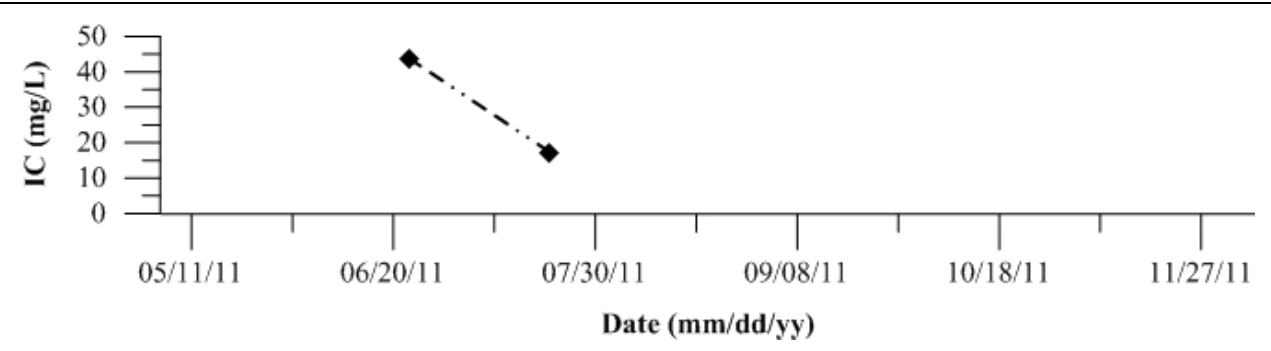


Figure 429: Inorganic Carbon (IC) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

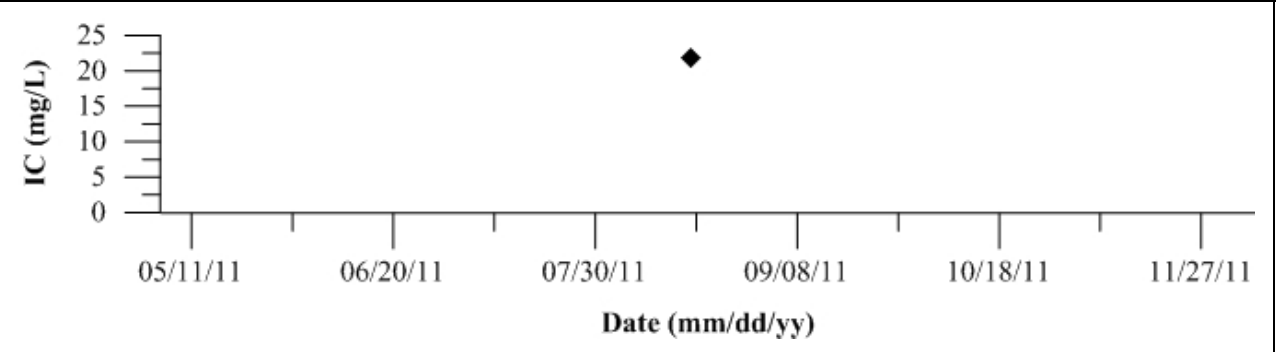


Figure 430: Inorganic Carbon (IC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

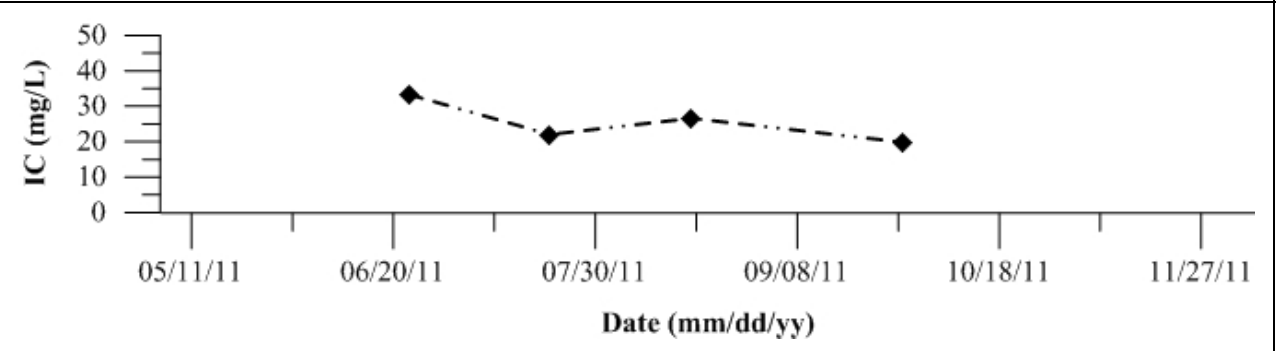


Figure 431: Inorganic Carbon (IC) for Site 34 Ingram Creek. Data collected in 2011.

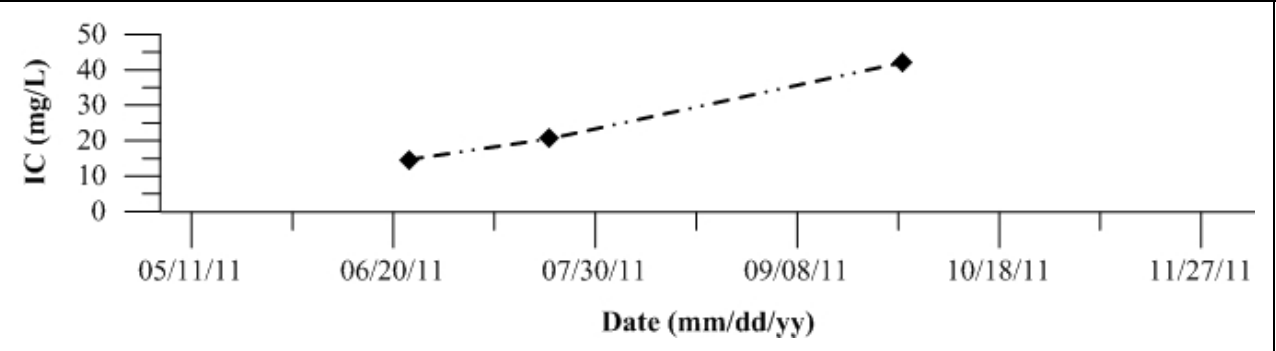


Figure 432: Inorganic Carbon (IC) for Site 36 Del Puerto Creek. Data collected in 2011.

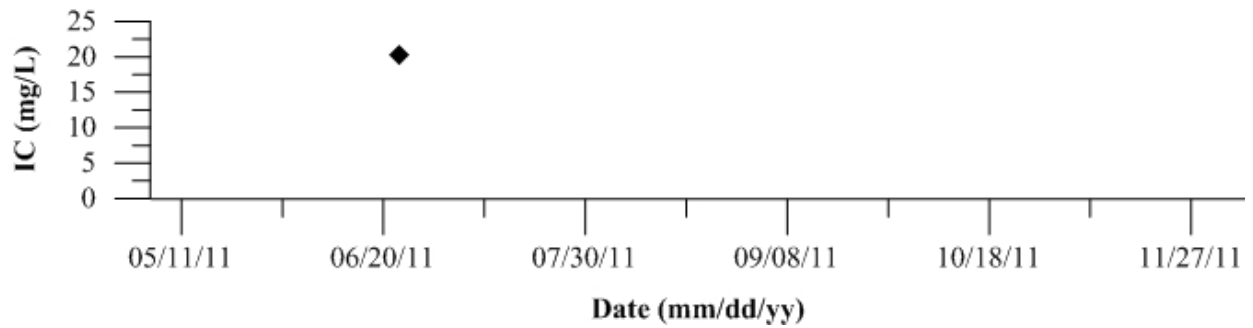


Figure 433: Inorganic Carbon (IC) for Site 44 San Luis Drain End. Data collected in 2011.

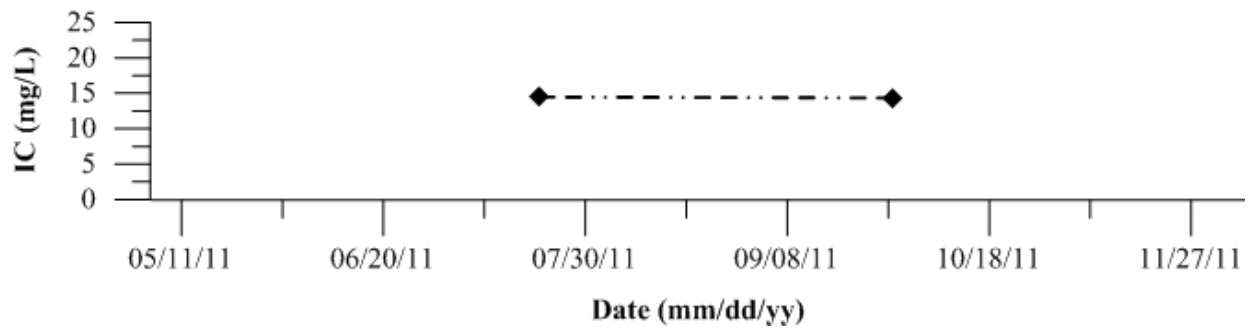


Figure 434: Inorganic Carbon (IC) for Site 57 Ramona Lake. Data collected in 2011.

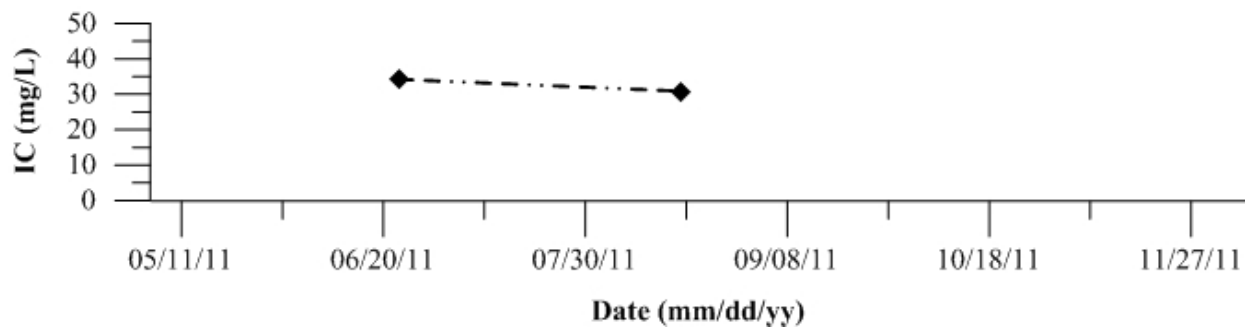


Figure 435: Inorganic Carbon (IC) for Site 127 SJR at Brant Bridge. Data collected in 2011.

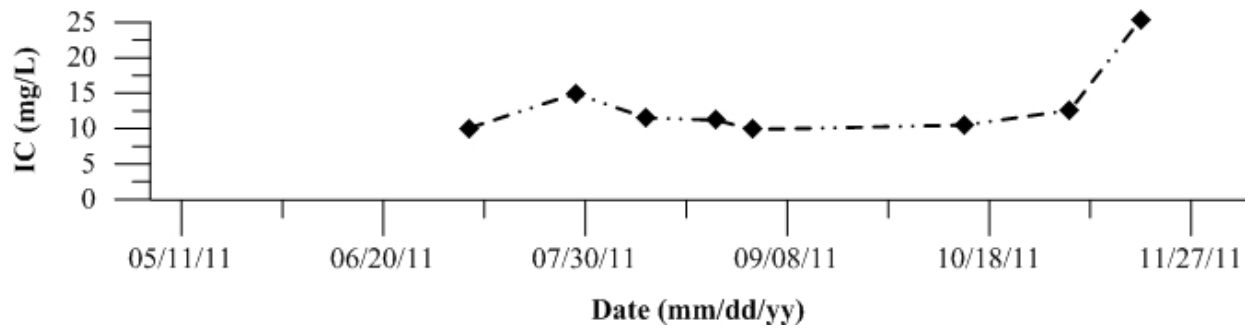


Figure 436: Inorganic Carbon (IC) for Site 402 Light 18 (Node 96). Data collected in 2011.

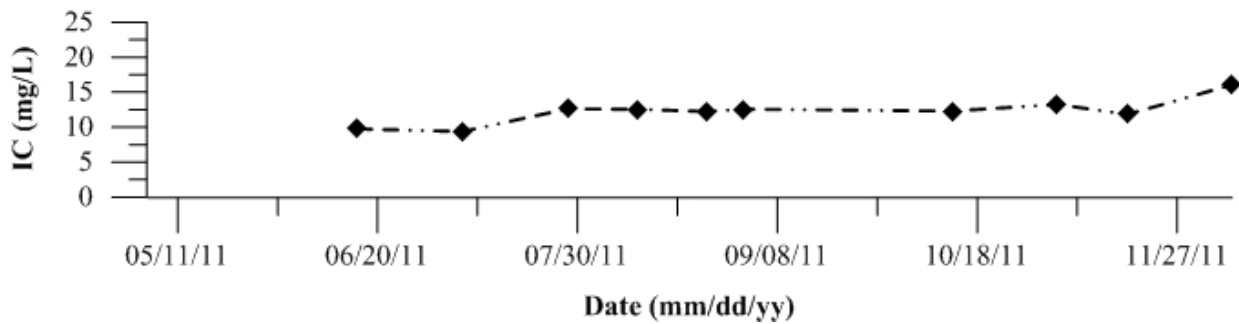


Figure 437: Inorganic Carbon (IC) for Site 405 Calaveras River. Data collected in 2011.

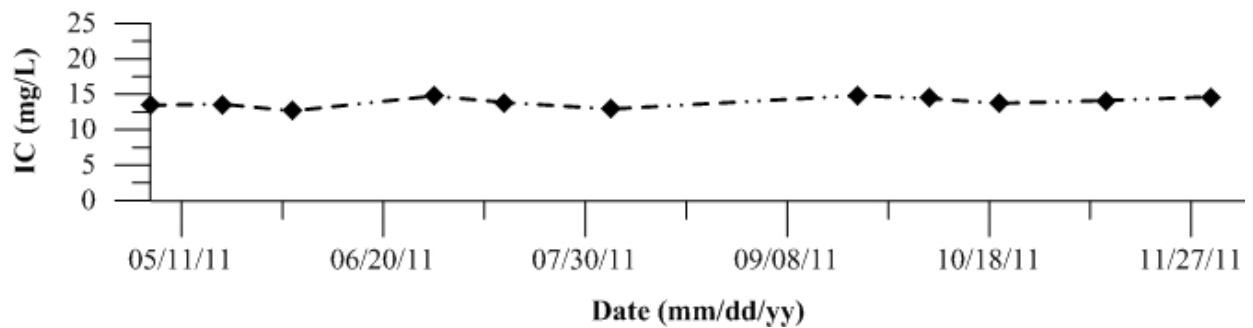


Figure 438: Inorganic Carbon (IC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

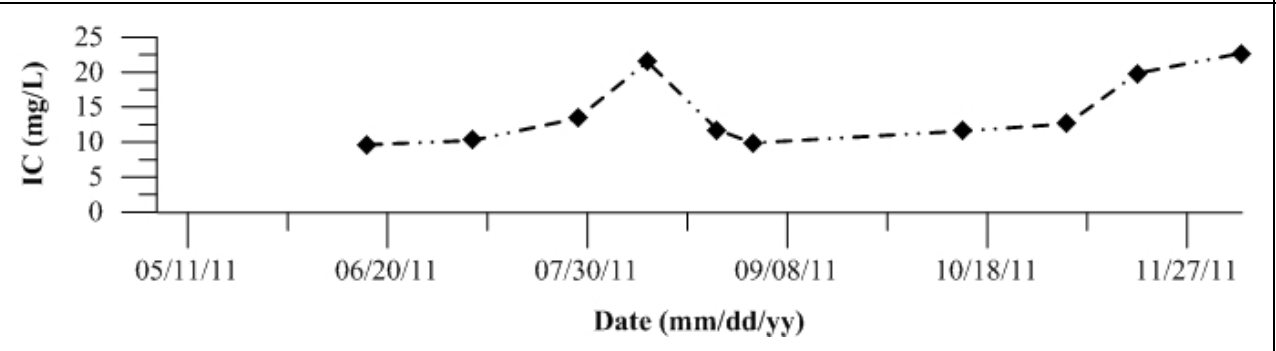


Figure 439: Inorganic Carbon (IC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

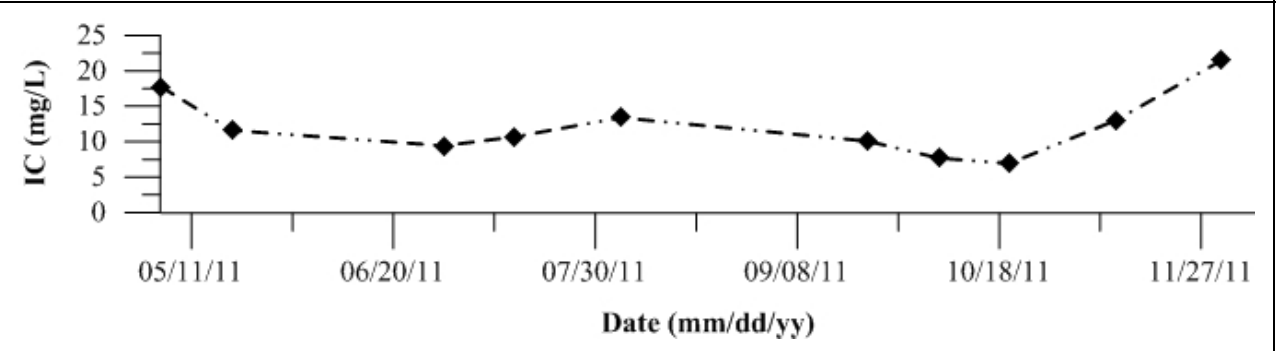


Figure 440: Inorganic Carbon (IC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

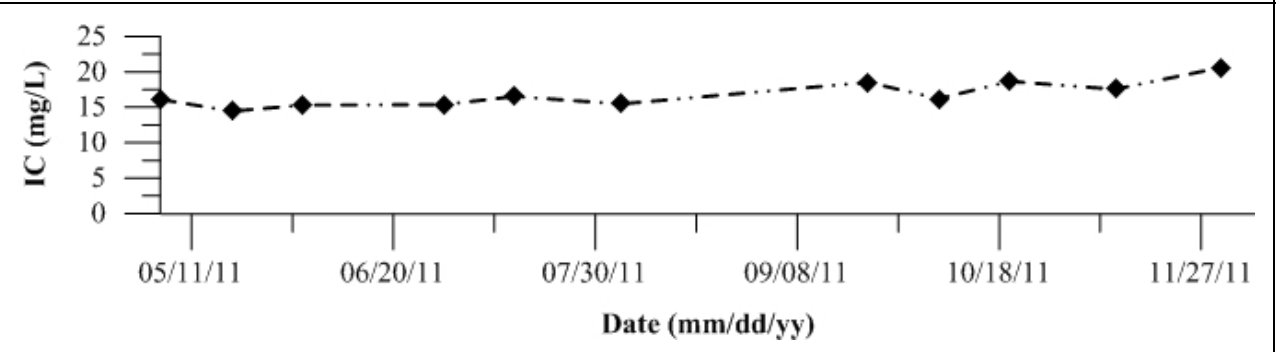


Figure 441: Inorganic Carbon (IC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

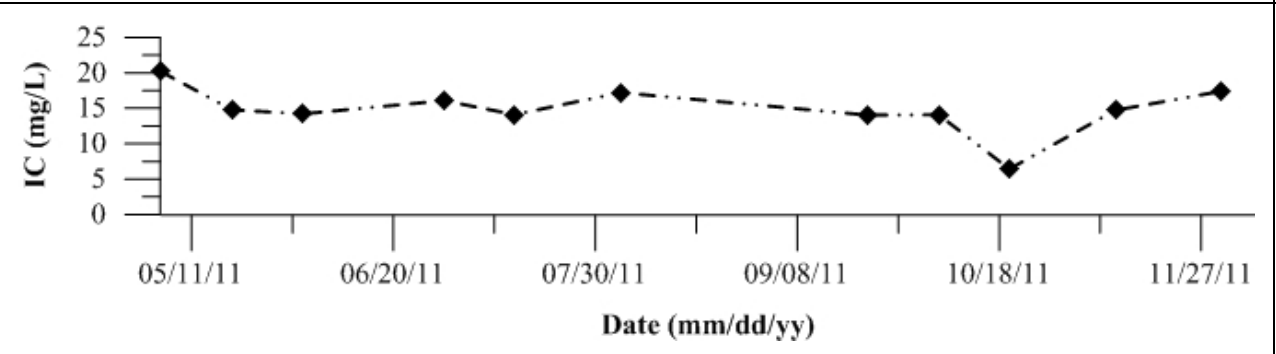


Figure 442: Inorganic Carbon (IC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

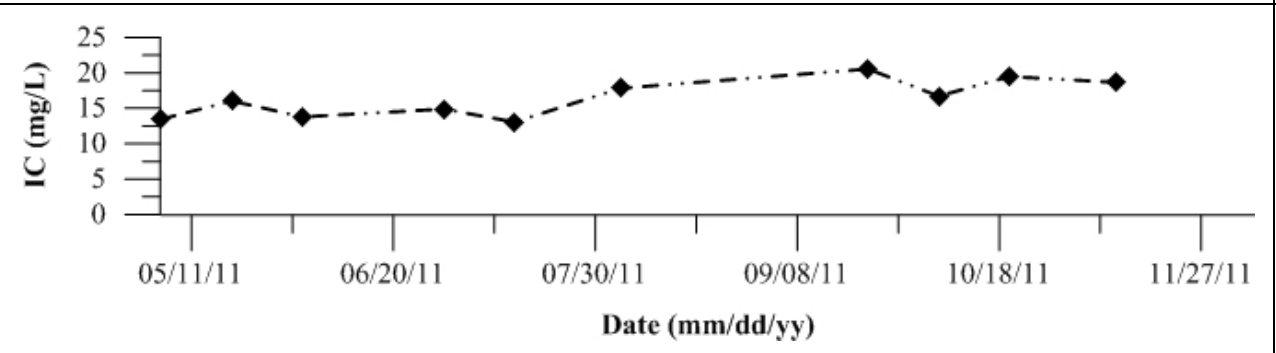


Figure 443: Inorganic Carbon (IC) for Site 424 14mi Slough. Data collected in 2011.

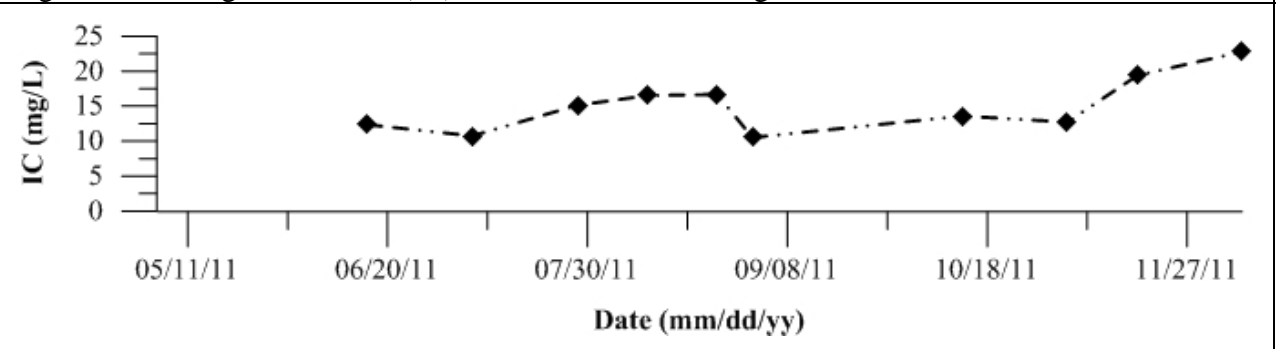


Figure 444: Inorganic Carbon (IC) for Site 425 Turner Cut. Data collected in 2011.

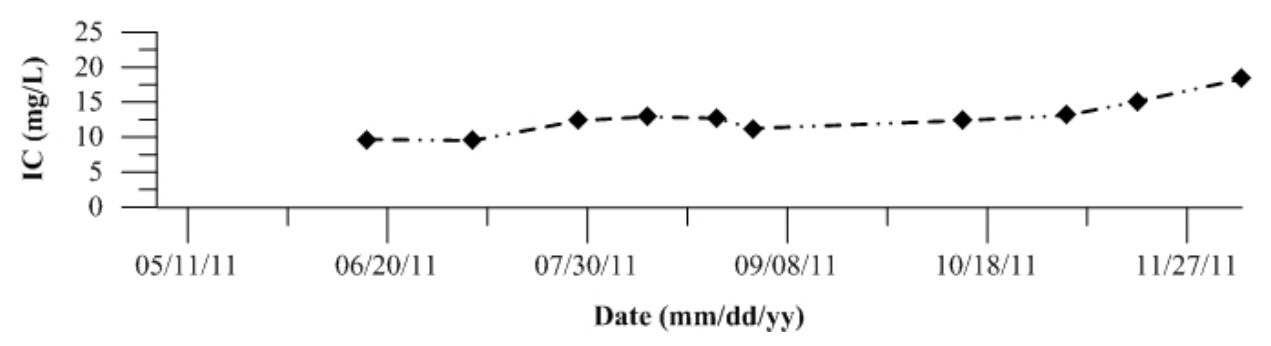


Figure 445: Inorganic Carbon (IC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

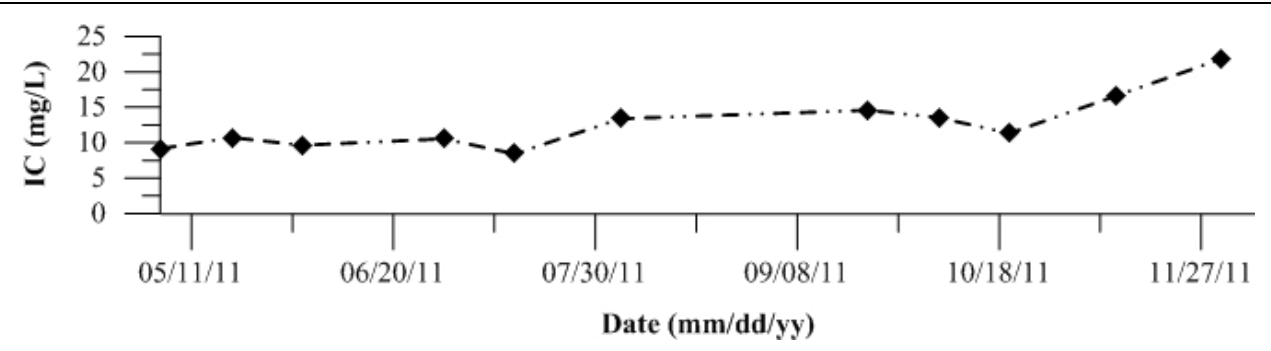


Figure 446: Inorganic Carbon (IC) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

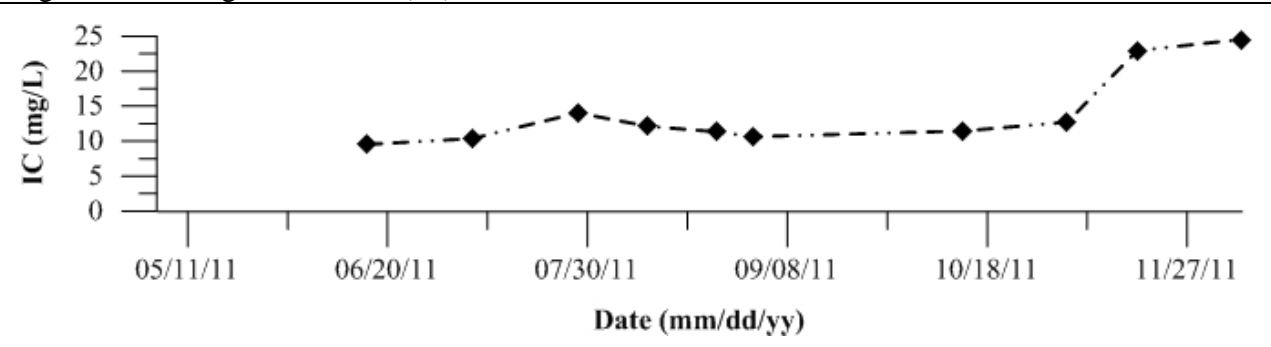


Figure 447: Inorganic Carbon (IC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

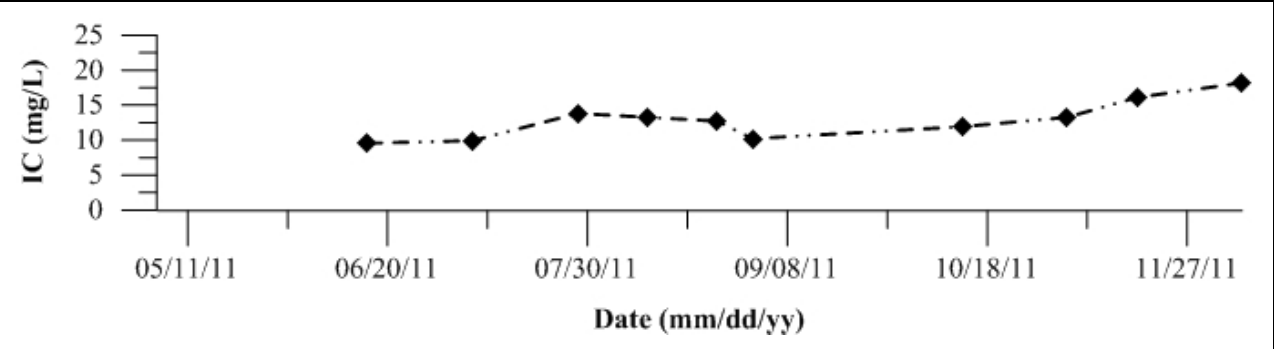
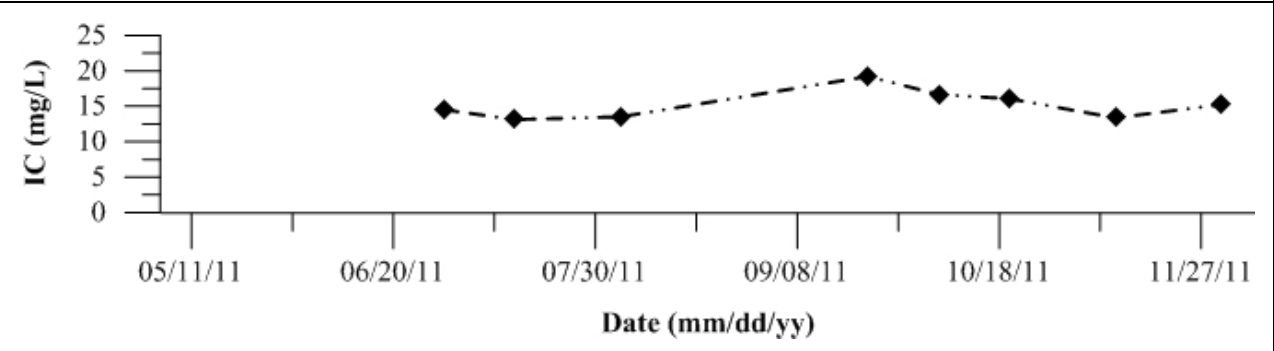


Figure 448: Inorganic Carbon (IC) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 449-480: Temporal plots of Total Suspended Solids (TSS) by Site ID

Figure 449: Total Suspended Solids (TSS) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

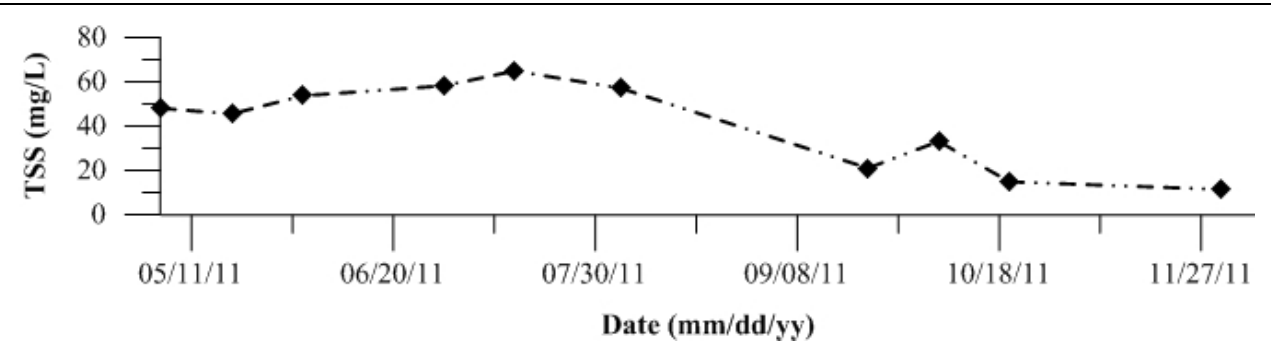


Figure 450: Total Suspended Solids (TSS) for Site 4 SJR at Mossdale. Data collected in 2011.

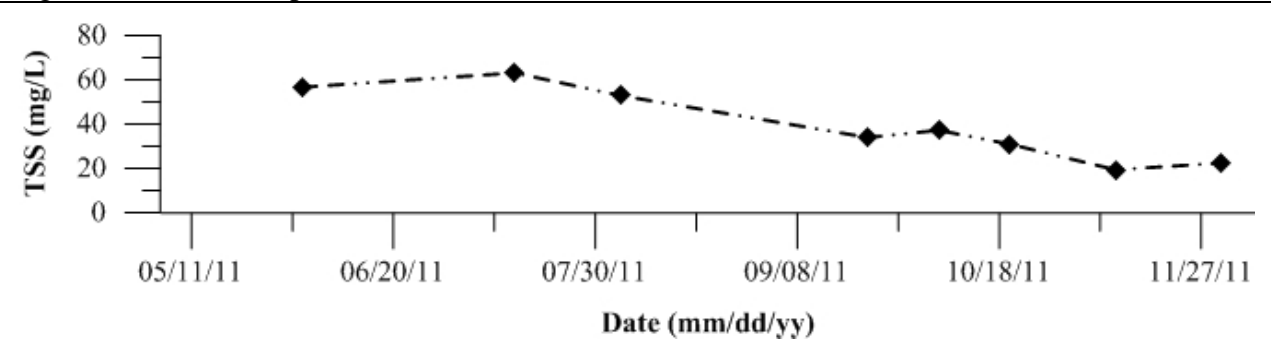


Figure 451: Total Suspended Solids (TSS) for Site 5 SJR at McCune Station. Data collected in 2011.

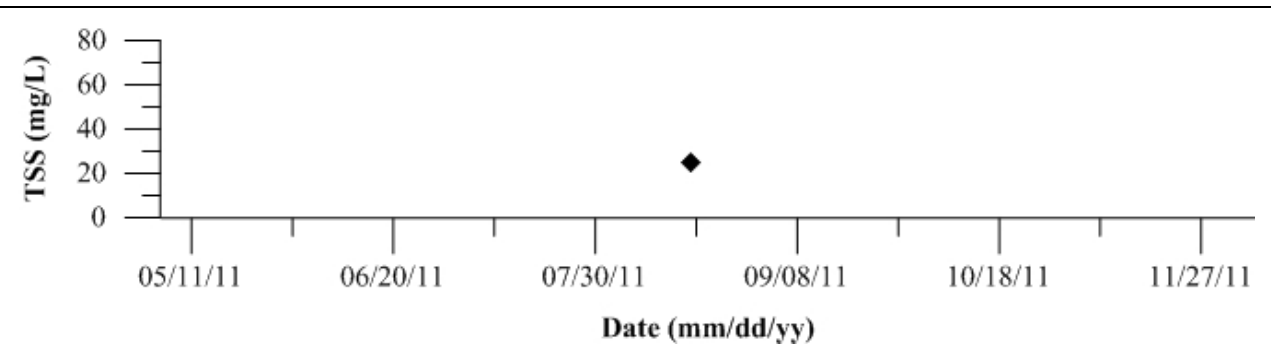


Figure 452: Total Suspended Solids (TSS) for Site 7 SJR at Patterson. Data collected in 2011.

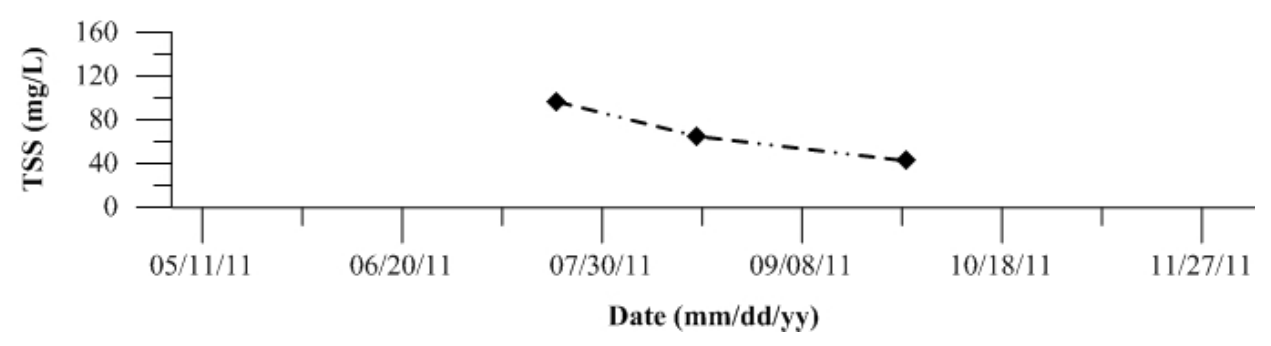


Figure 453: Total Suspended Solids (TSS) for Site 10 SJR at Lander Avenue. Data collected in 2011.

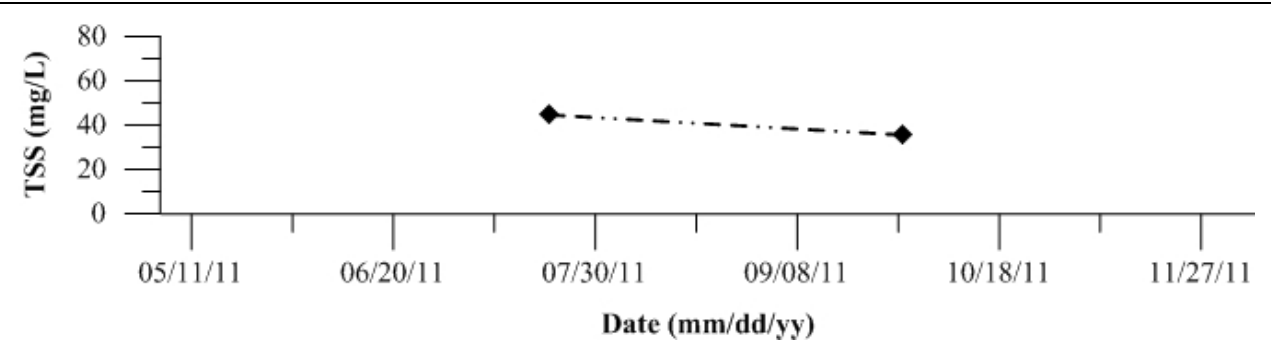


Figure 454: Total Suspended Solids (TSS) for Site 11 French Camp Slough. Data collected in 2011.

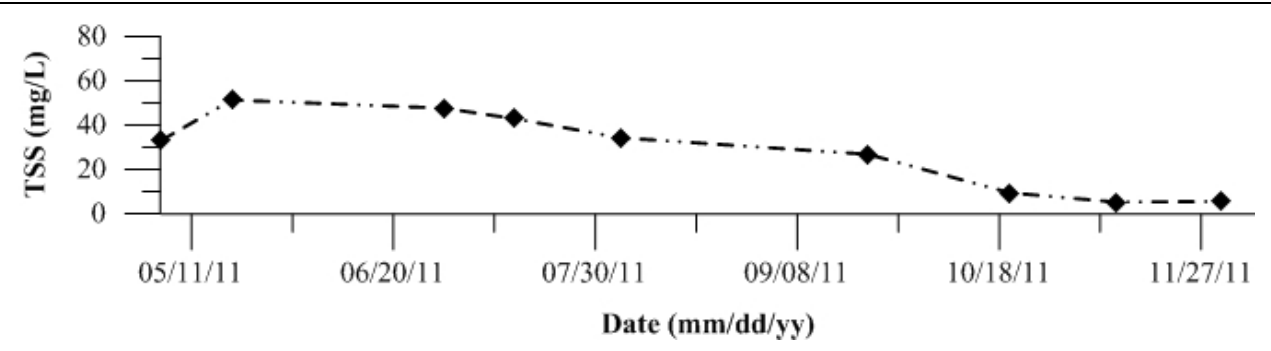


Figure 455: Total Suspended Solids (TSS) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

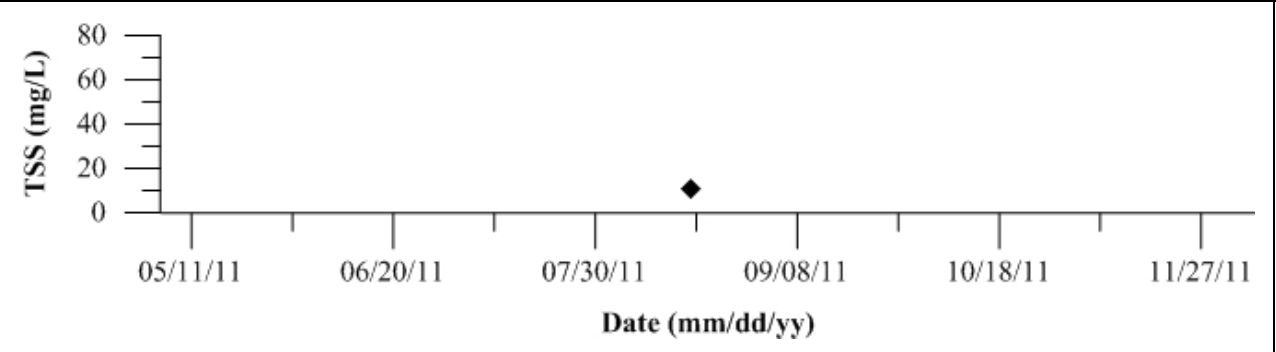


Figure 456: Total Suspended Solids (TSS) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

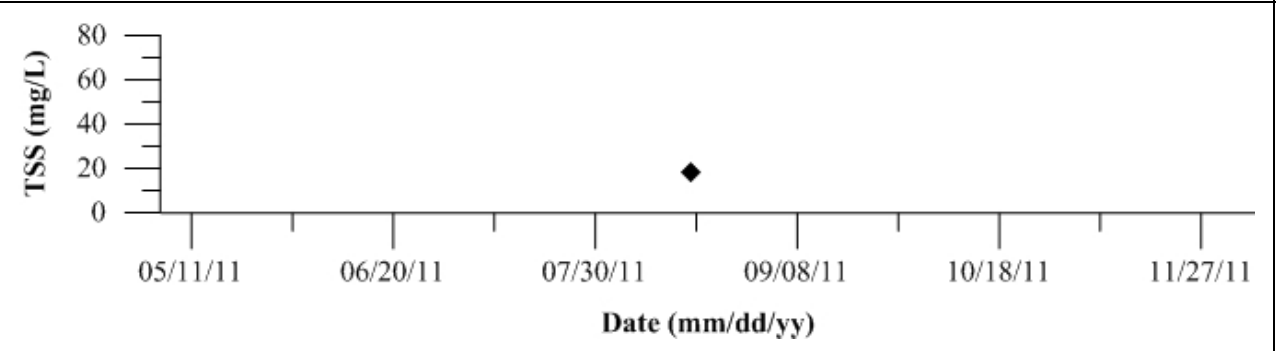


Figure 457: Total Suspended Solids (TSS) for Site 16 Merced River at River Road. Data collected in 2011.

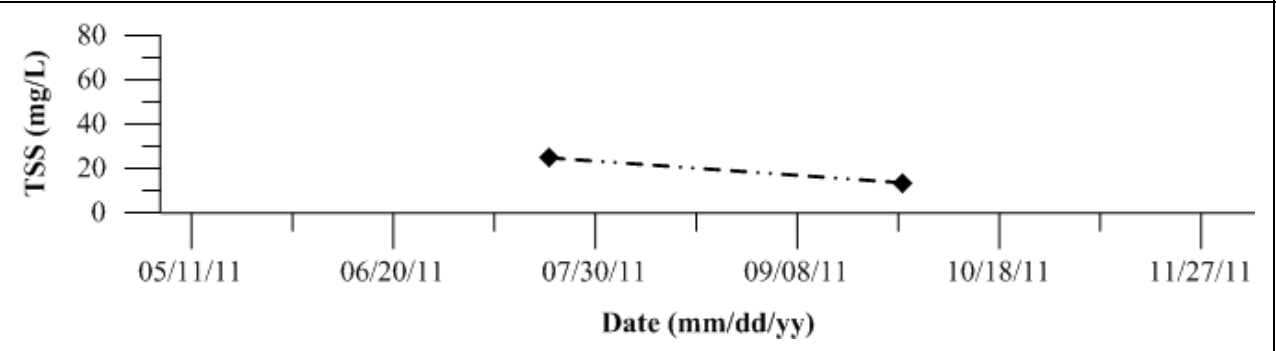


Figure 458: Total Suspended Solids (TSS) for Site 18 Mud Slough near Gustine. Data collected in 2011.

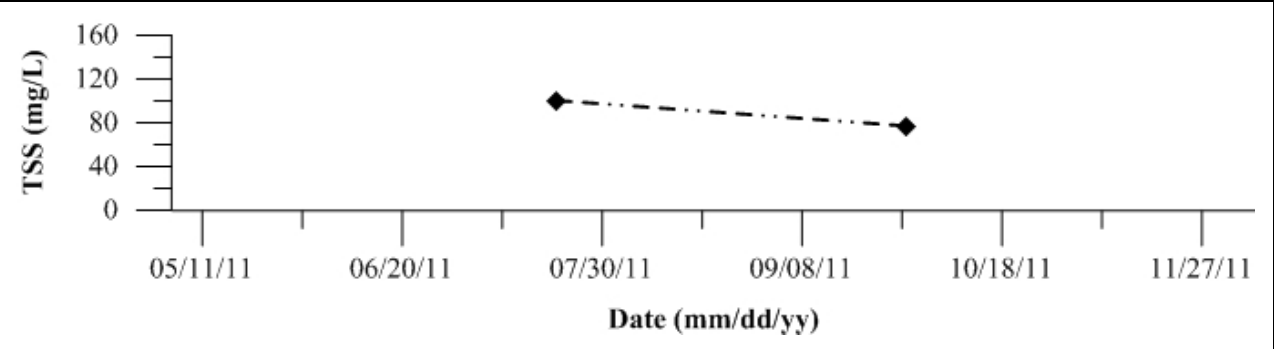


Figure 459: Total Suspended Solids (TSS) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

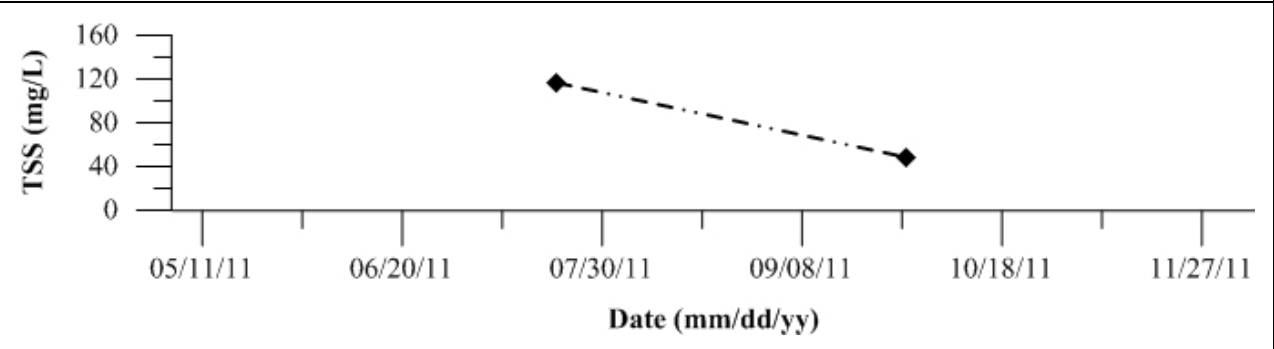


Figure 460: Total Suspended Solids (TSS) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

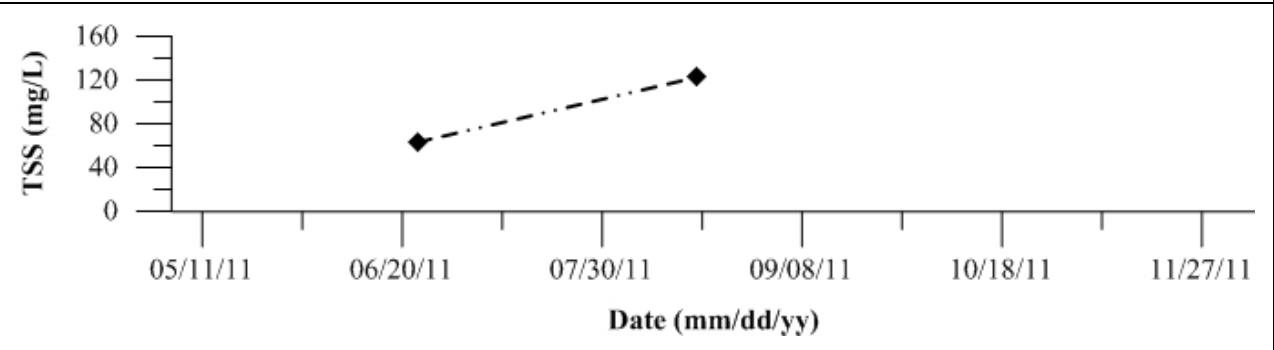


Figure 461: Total Suspended Solids (TSS) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

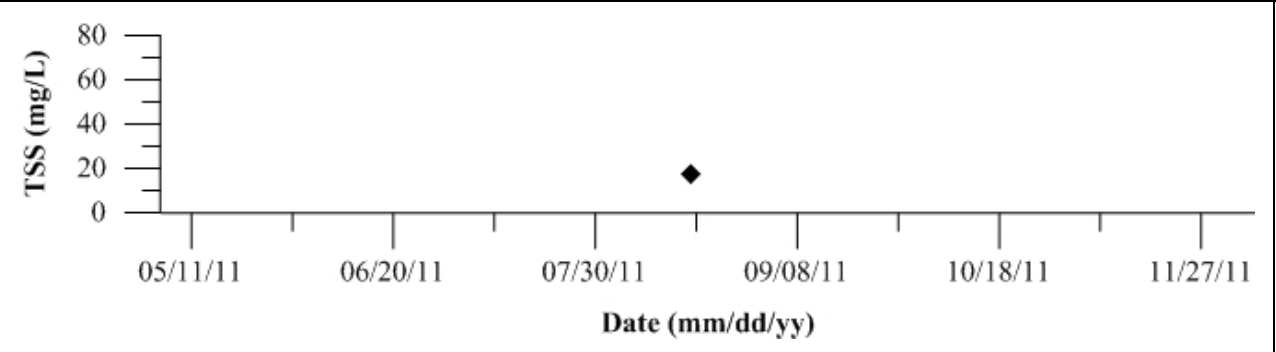


Figure 462: Total Suspended Solids (TSS) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

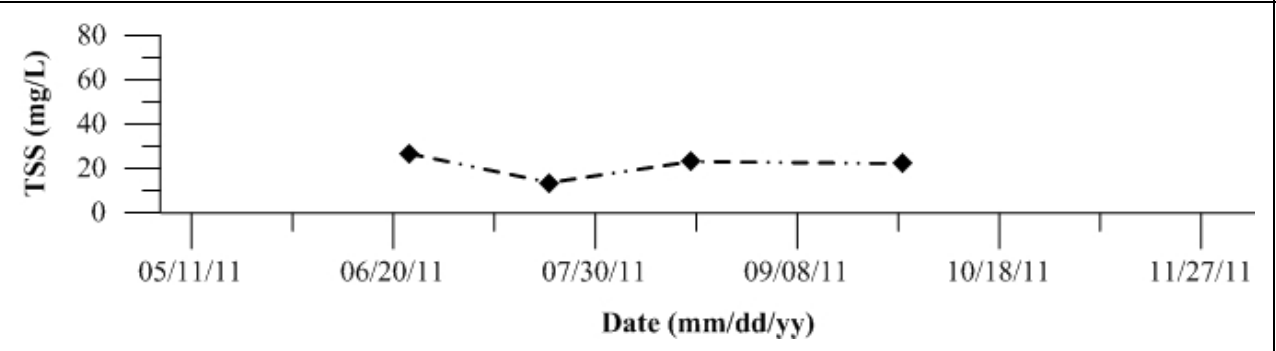


Figure 463: Total Suspended Solids (TSS) for Site 34 Ingram Creek. Data collected in 2011.

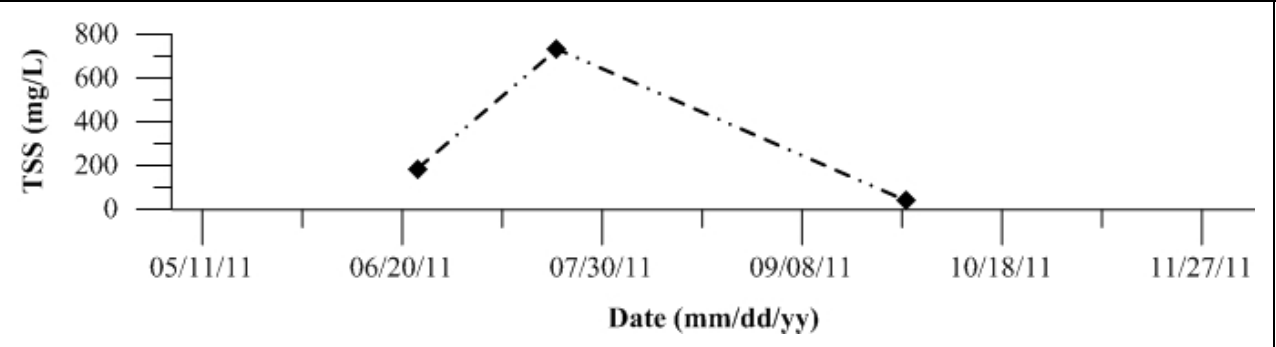


Figure 464: Total Suspended Solids (TSS) for Site 36 Del Puerto Creek. Data collected in 2011.

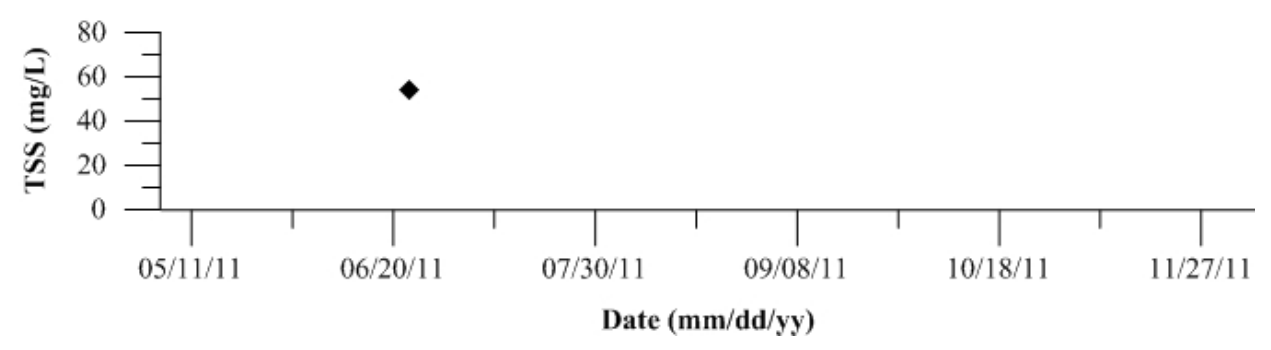


Figure 465: Total Suspended Solids (TSS) for Site 44 San Luis Drain End. Data collected in 2011.

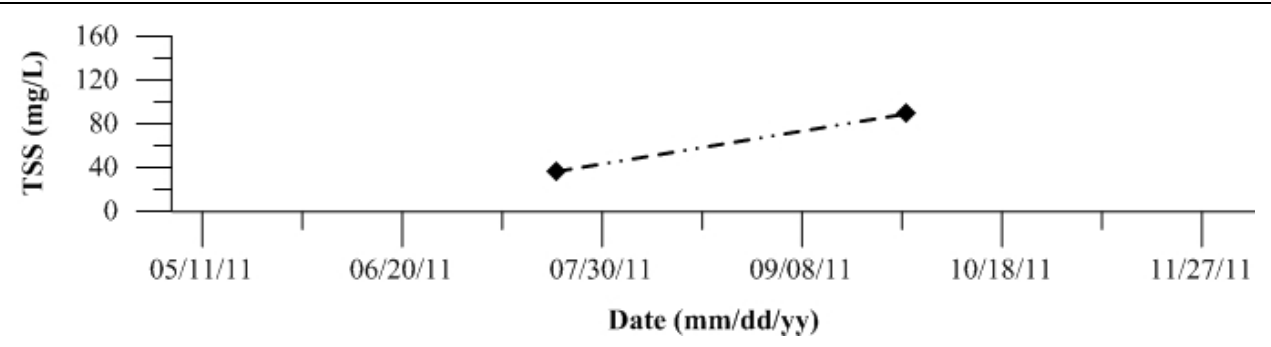


Figure 466: Total Suspended Solids (TSS) for Site 57 Ramona Lake. Data collected in 2011.

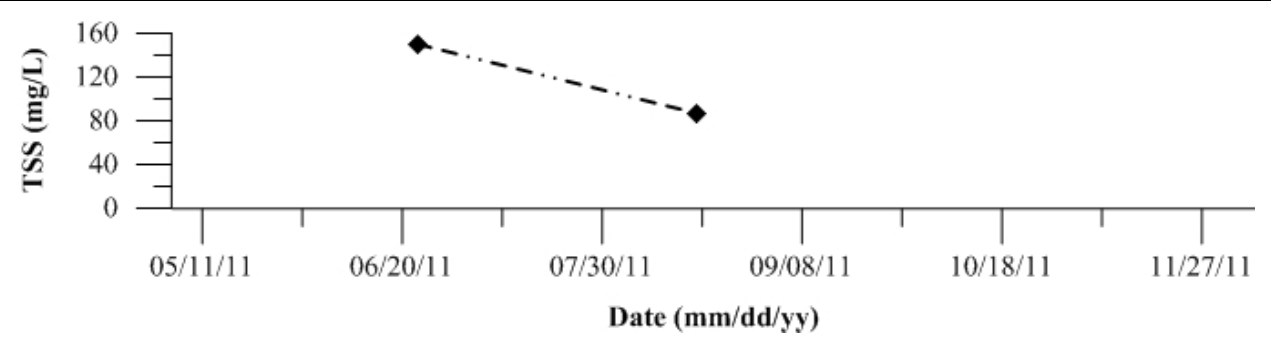


Figure 467: Total Suspended Solids (TSS) for Site 127 SJR at Brant Bridge. Data collected in 2011.

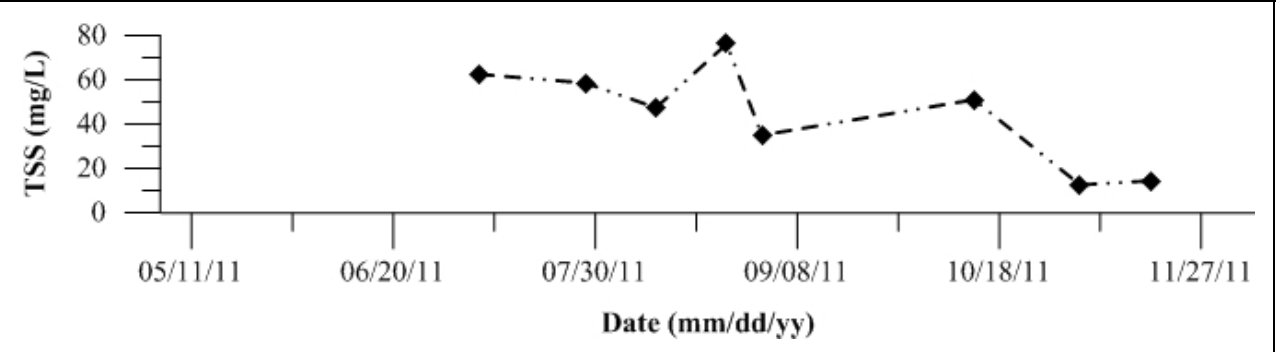


Figure 468: Total Suspended Solids (TSS) for Site 402 Light 18 (Node 96). Data collected in 2011.

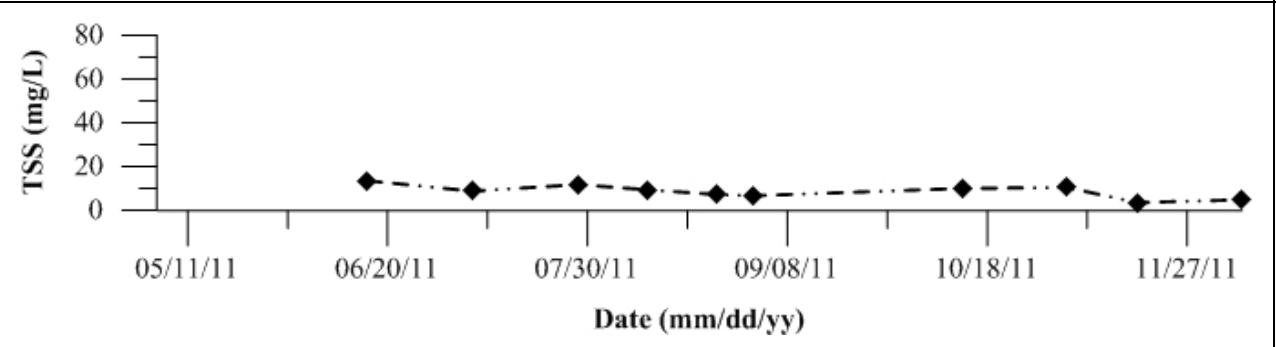


Figure 469: Total Suspended Solids (TSS) for Site 405 Calaveras River. Data collected in 2011.

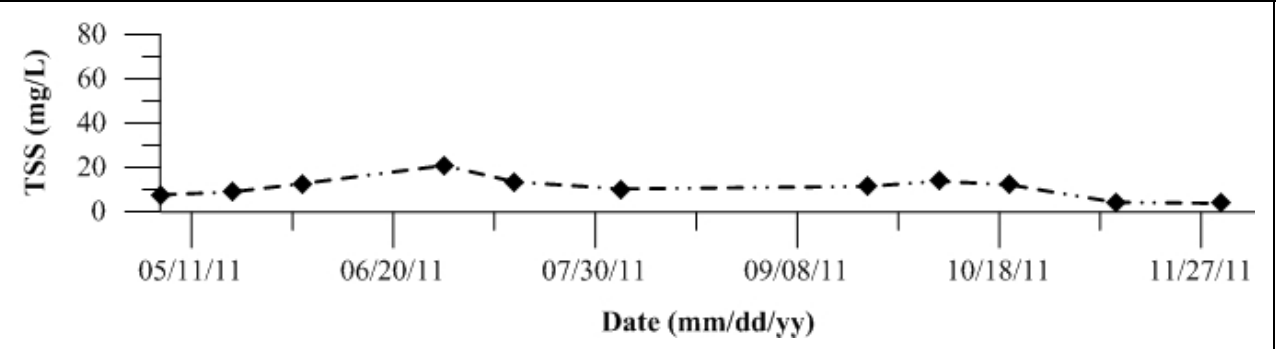


Figure 470: Total Suspended Solids (TSS) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

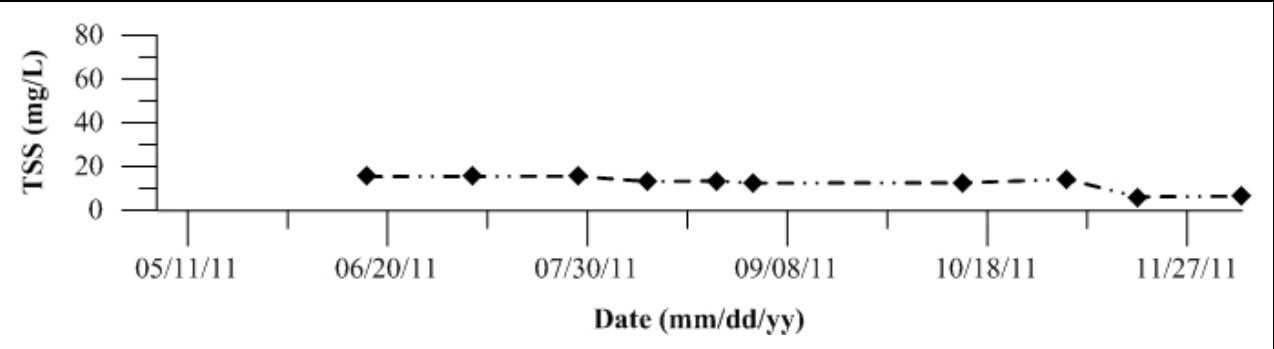


Figure 471: Total Suspended Solids (TSS) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

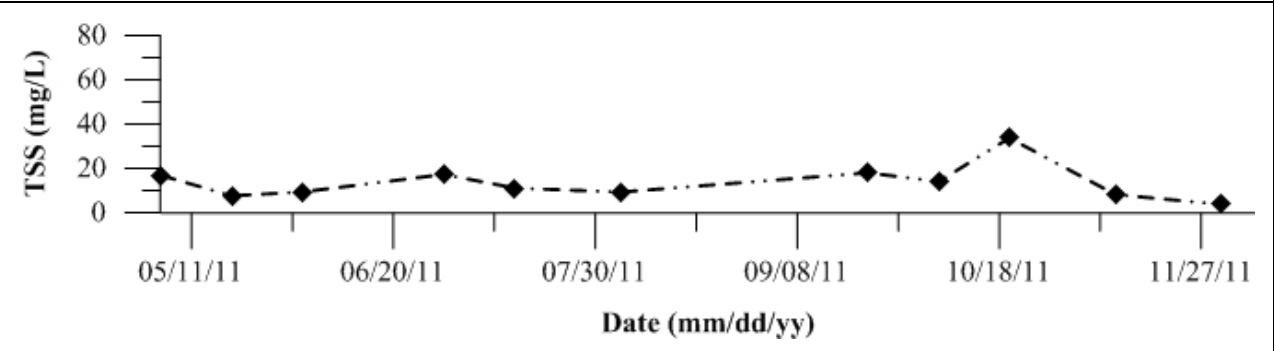


Figure 472: Total Suspended Solids (TSS) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

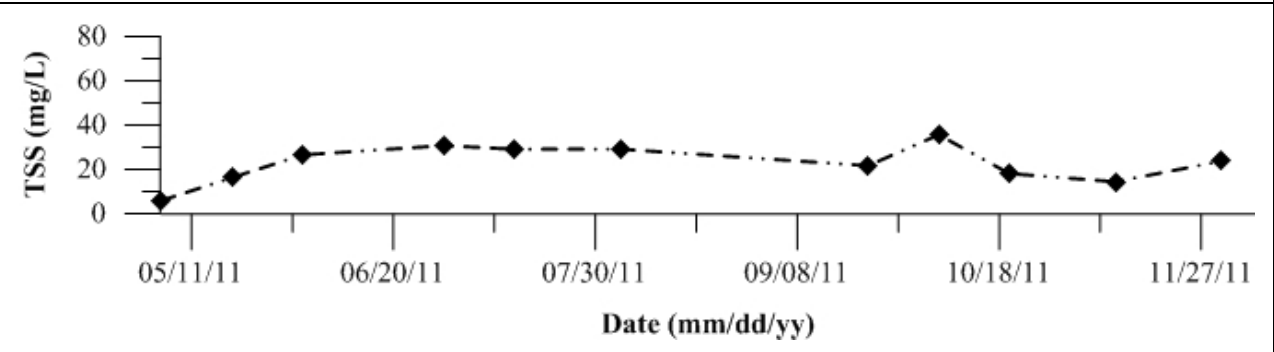


Figure 473: Total Suspended Solids (TSS) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

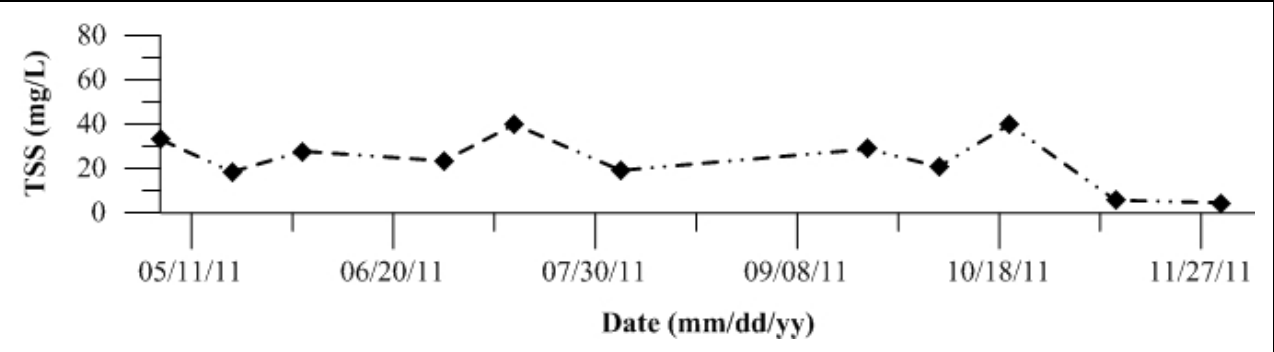


Figure 474: Total Suspended Solids (TSS) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

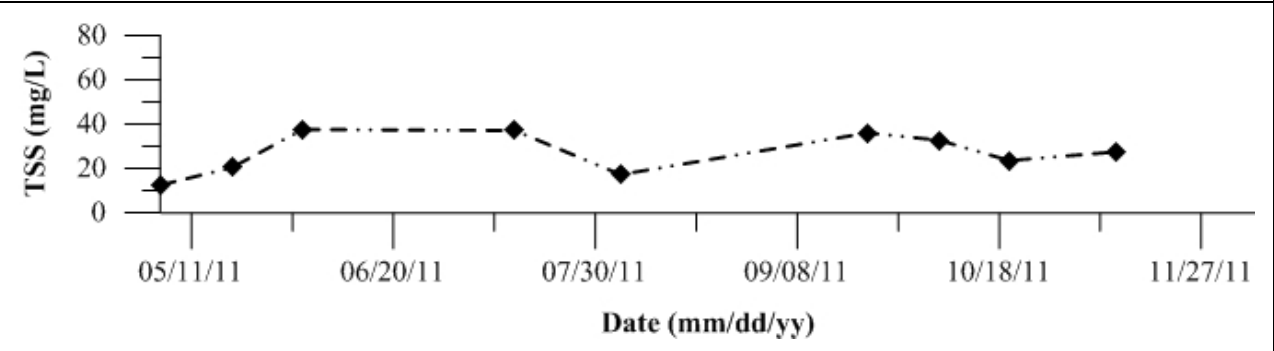


Figure 475: Total Suspended Solids (TSS) for Site 424 14mi Slough. Data collected in 2011.

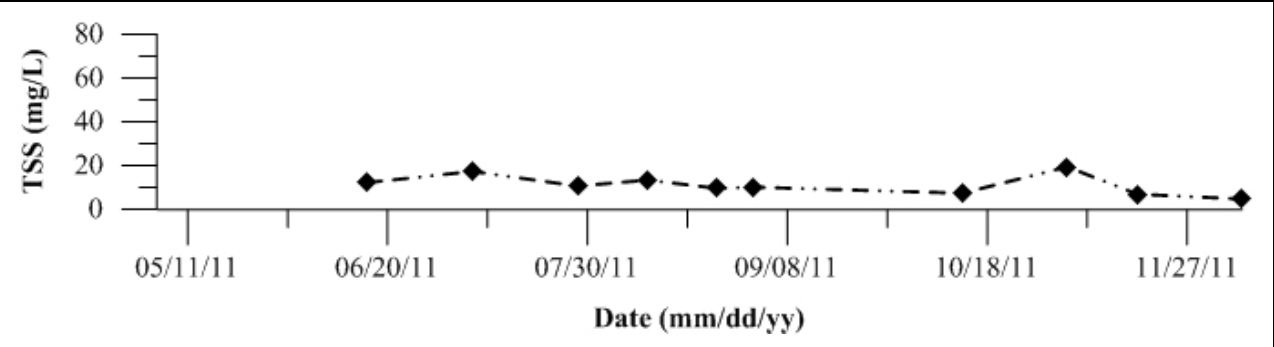


Figure 476: Total Suspended Solids (TSS) for Site 425 Turner Cut. Data collected in 2011.

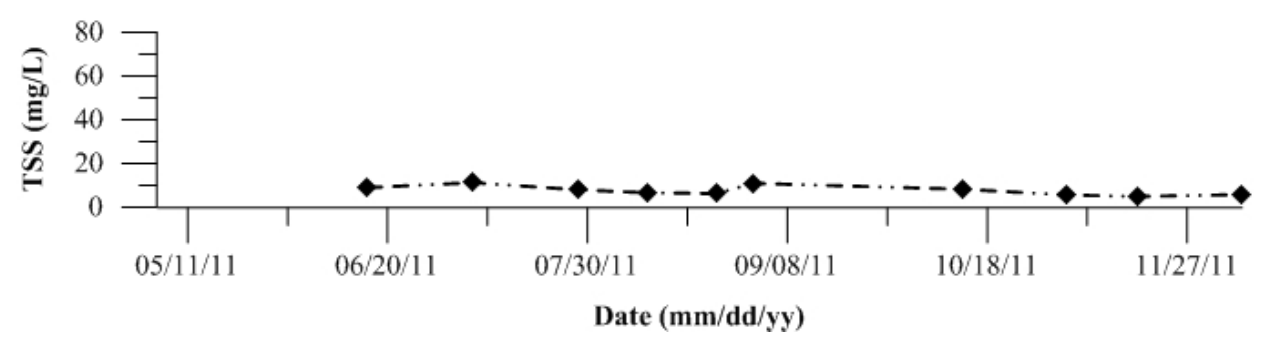


Figure 477: Total Suspended Solids (TSS) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

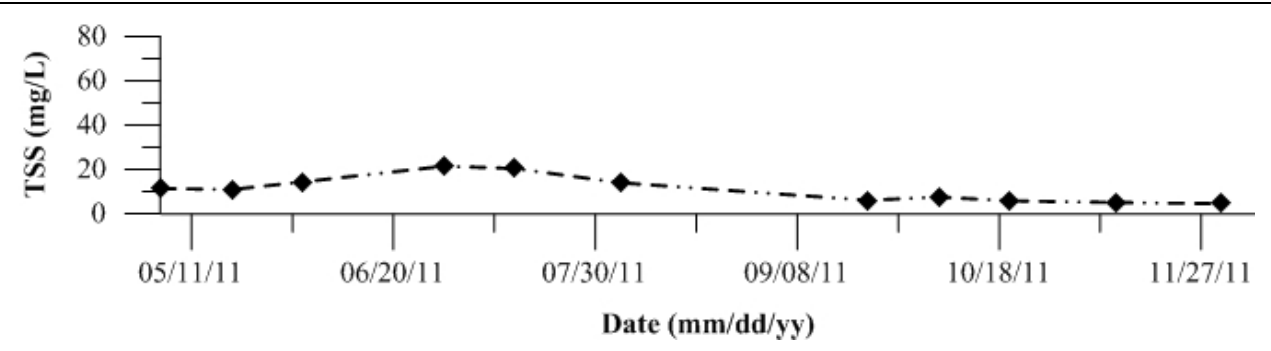


Figure 478: Total Suspended Solids (TSS) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

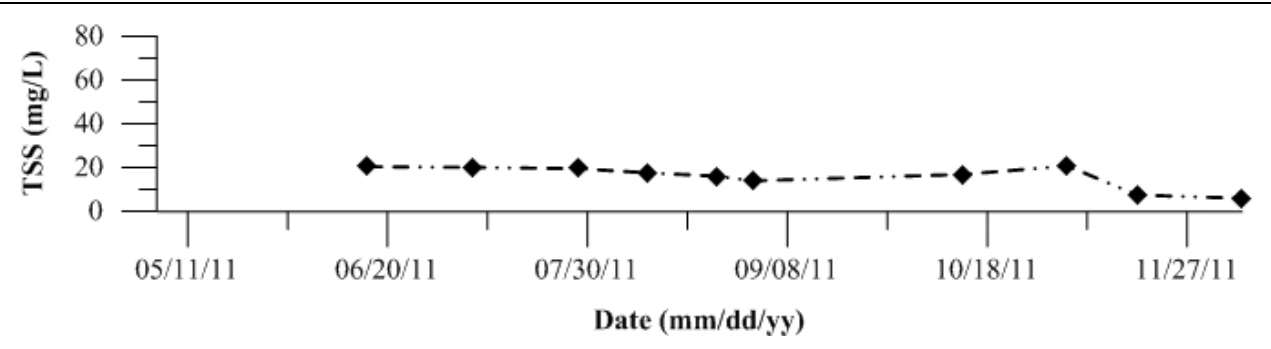


Figure 479: Total Suspended Solids (TSS) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

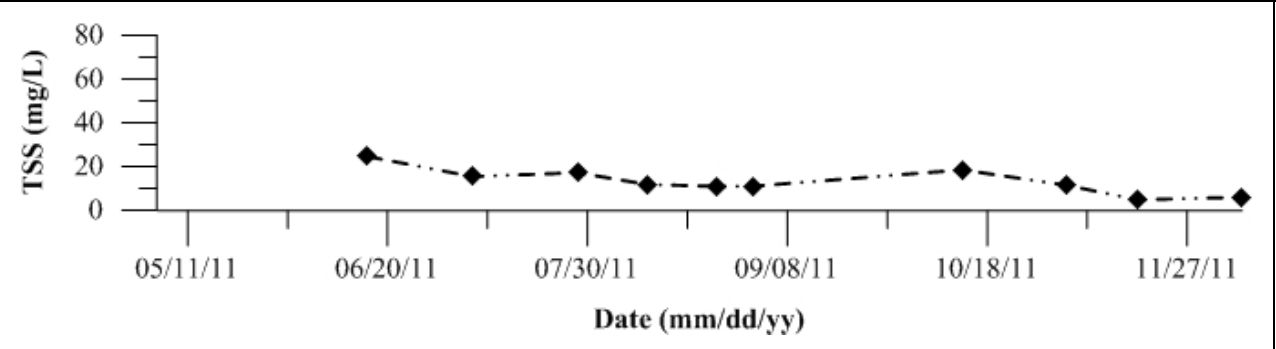
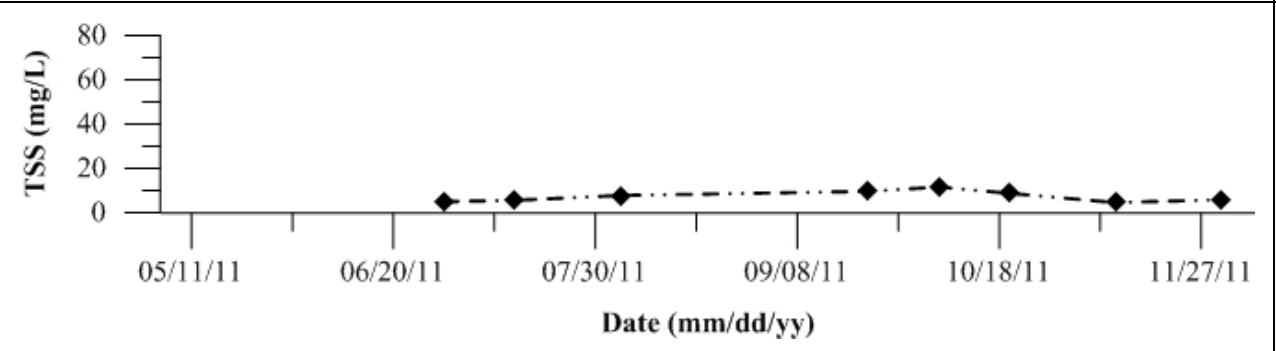


Figure 480: Total Suspended Solids (TSS) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 481-512: Temporal plots of Mineral Suspended Solids (MSS) by Site ID

Figure 481: Mineral Suspended Solids for Site 2 SJR at Dos Reis Park. Data collected in 2011.

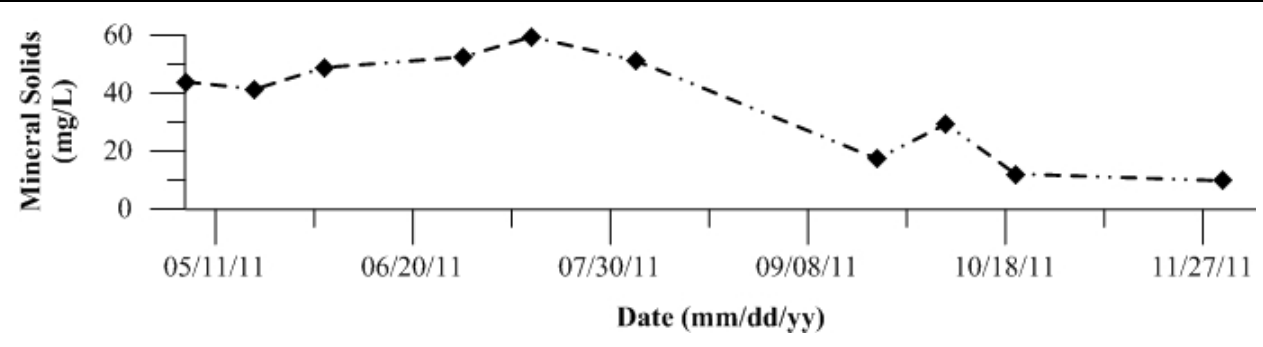


Figure 482: Mineral Suspended Solids for Site 4 SJR at Mossdale. Data collected in 2011.

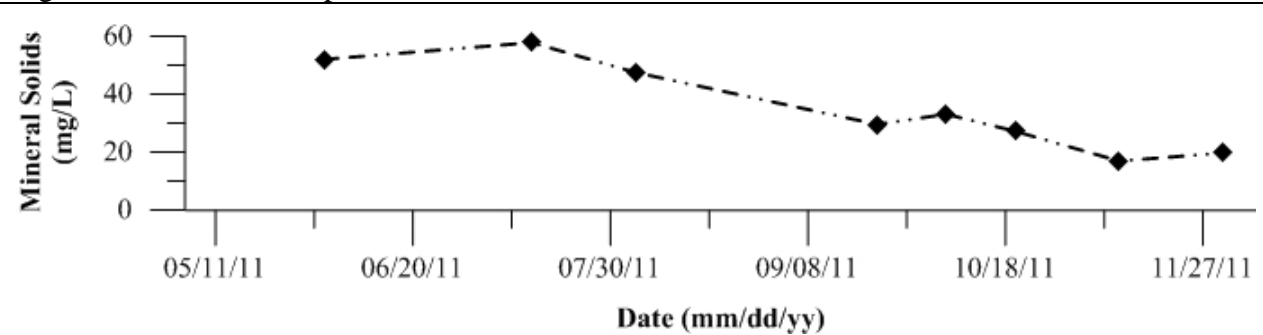


Figure 483: Mineral Suspended Solids for Site 5 SJR at McCune Station. Data collected in 2011.

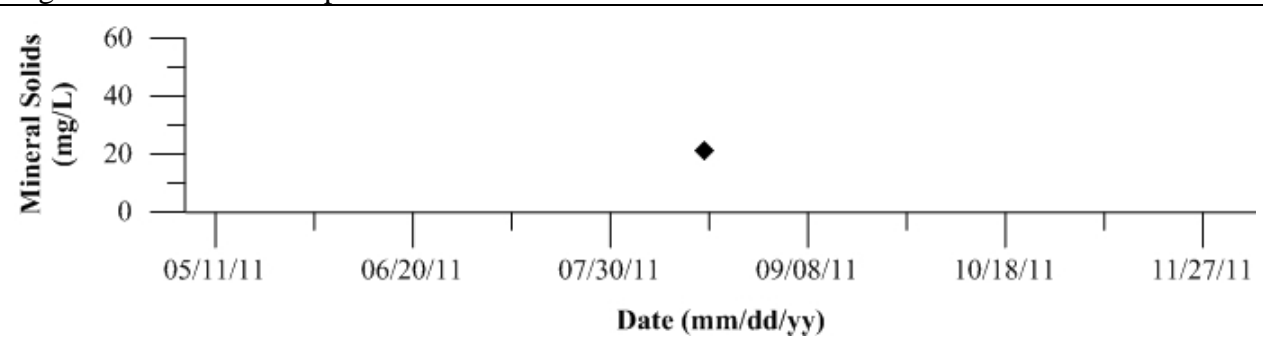


Figure 484: Mineral Suspended Solids for Site 7 SJR at Patterson. Data collected in 2011.

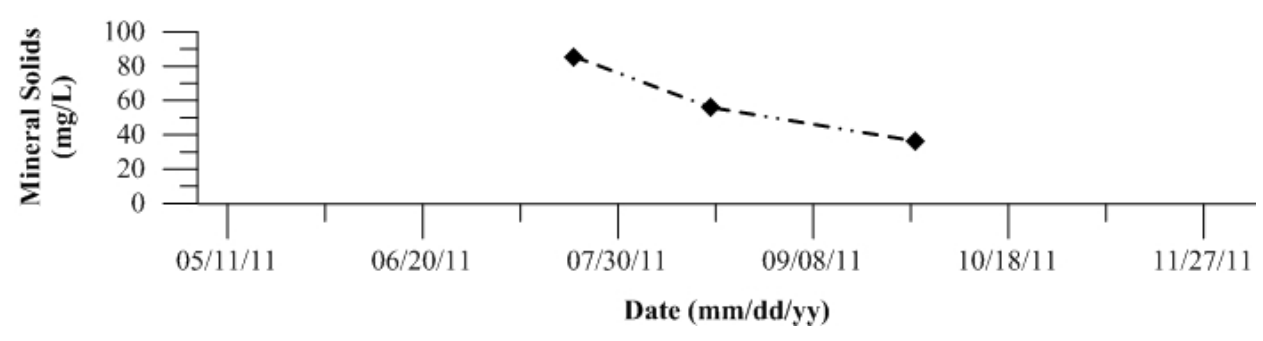


Figure 485: Mineral Suspended Solids for Site 10 SJR at Lander Avenue. Data collected in 2011.

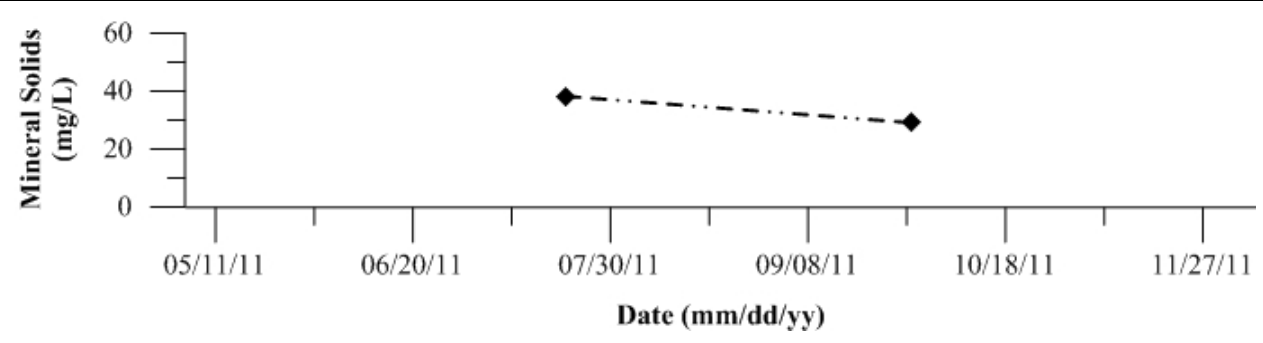


Figure 486: Mineral Suspended Solids for Site 11 French Camp Slough. Data collected in 2011.

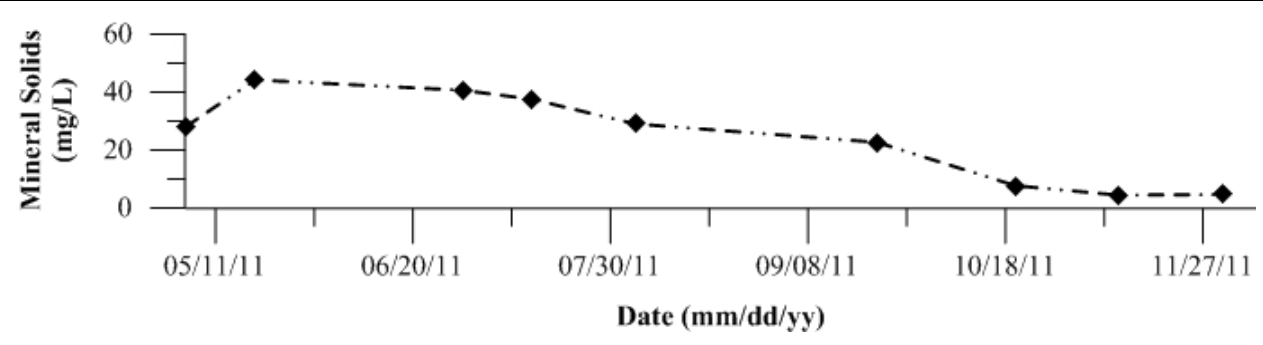


Figure 487: Mineral Suspended Solids for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

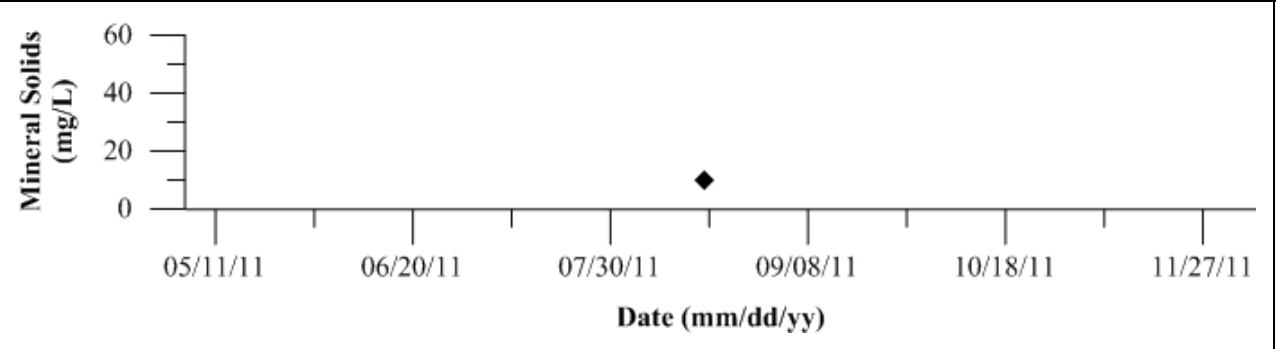


Figure 488: Mineral Suspended Solids for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

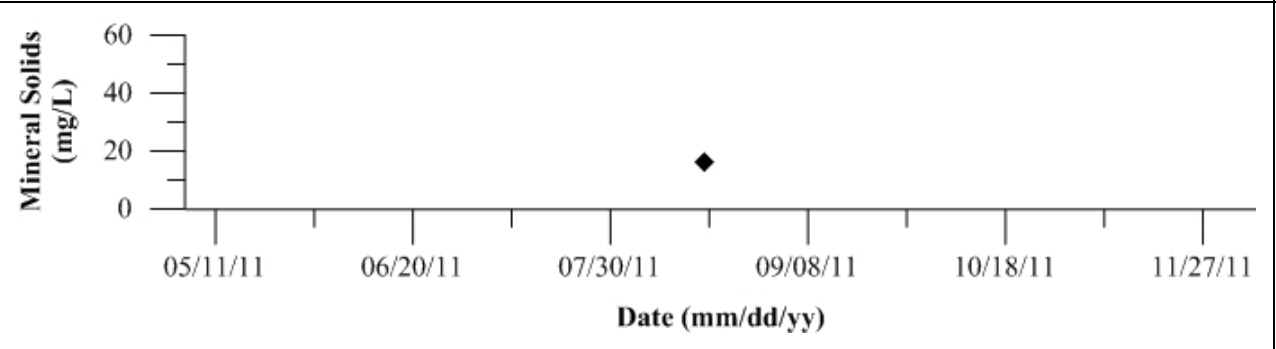


Figure 489: Mineral Suspended Solids for Site 16 Merced River at River Road. Data collected in 2011.

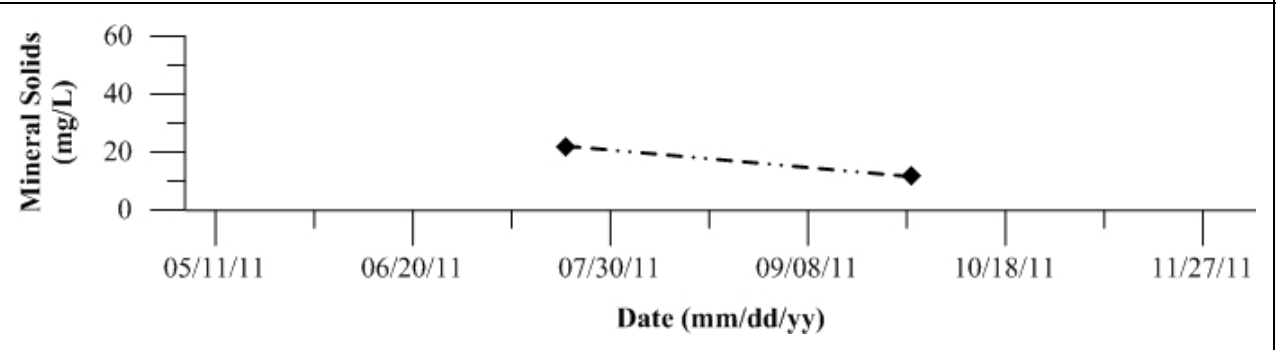


Figure 490: Mineral Suspended Solids for Site 18 Mud Slough near Gustine. Data collected in 2011.

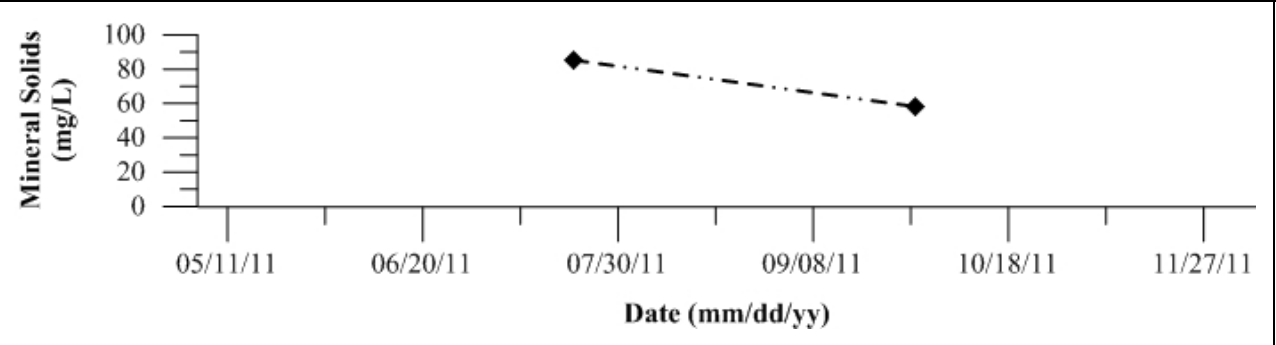


Figure 491: Mineral Suspended Solids for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

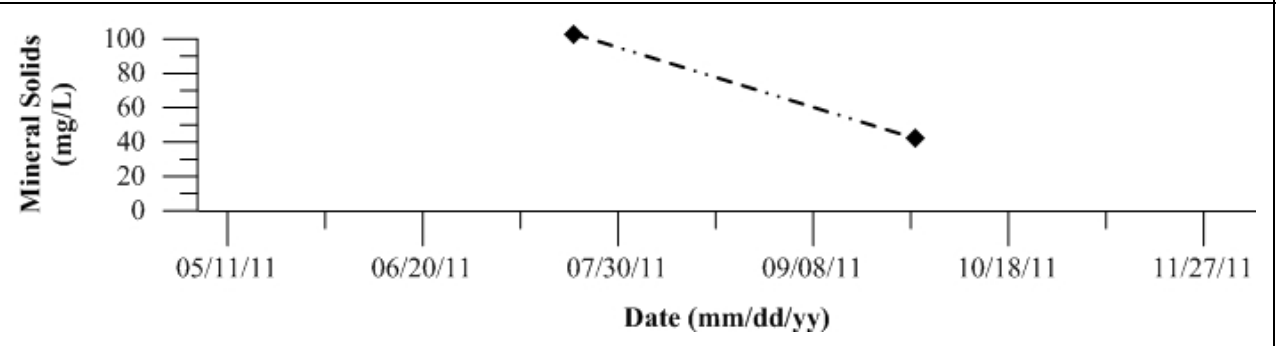


Figure 492: Mineral Suspended Solids for Site 21 Orestimba Creek at River Road. Data collected in 2011.

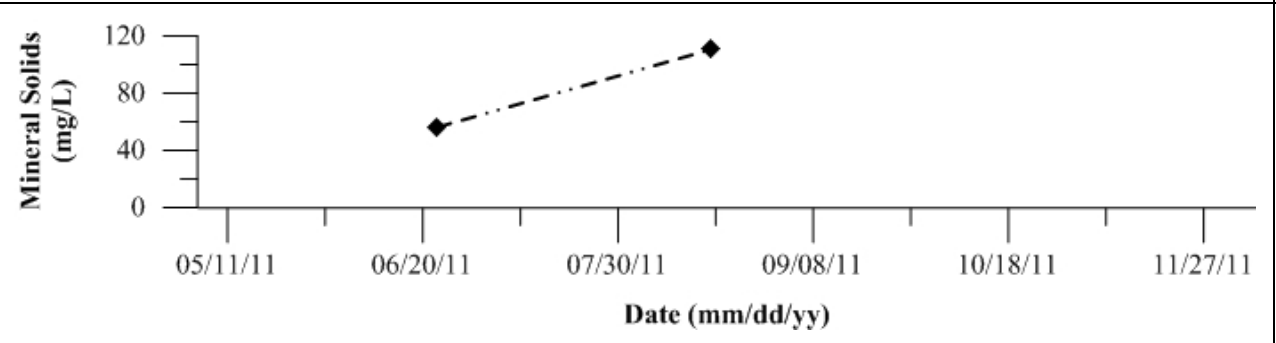


Figure 493: Mineral Suspended Solids for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

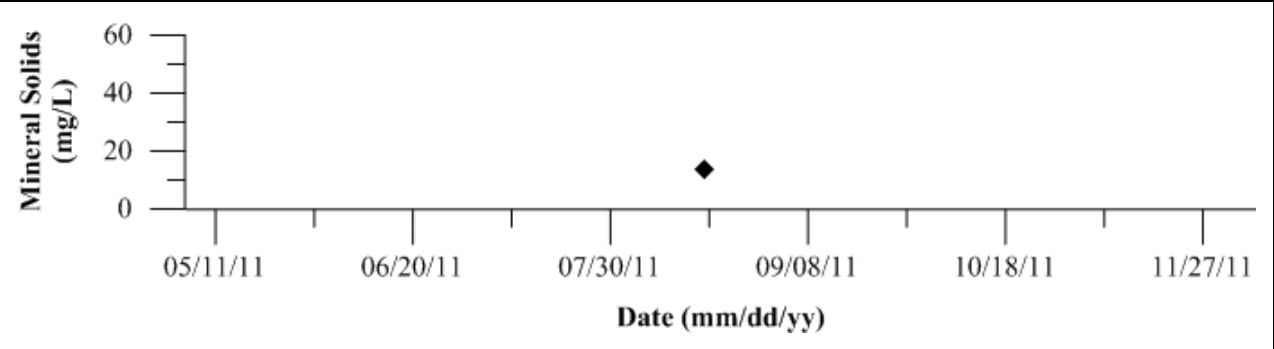


Figure 494: Mineral Suspended Solids for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

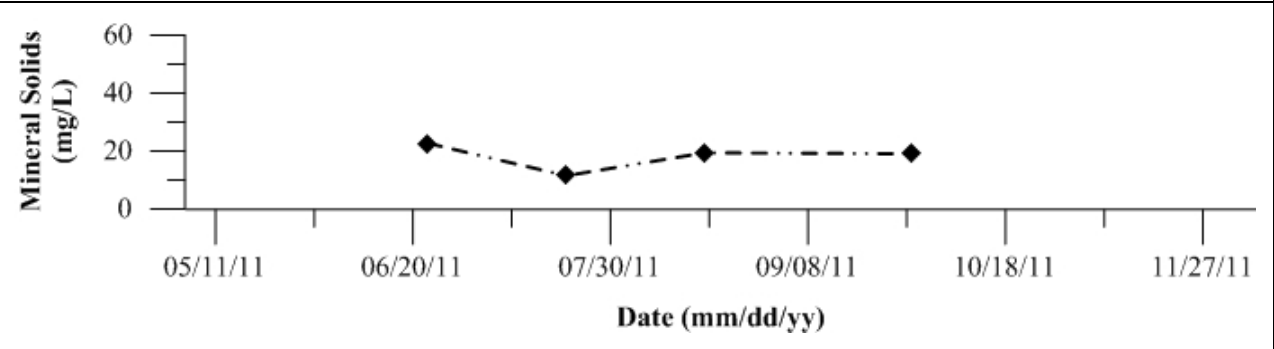


Figure 495: Mineral Suspended Solids for Site 34 Ingram Creek. Data collected in 2011.

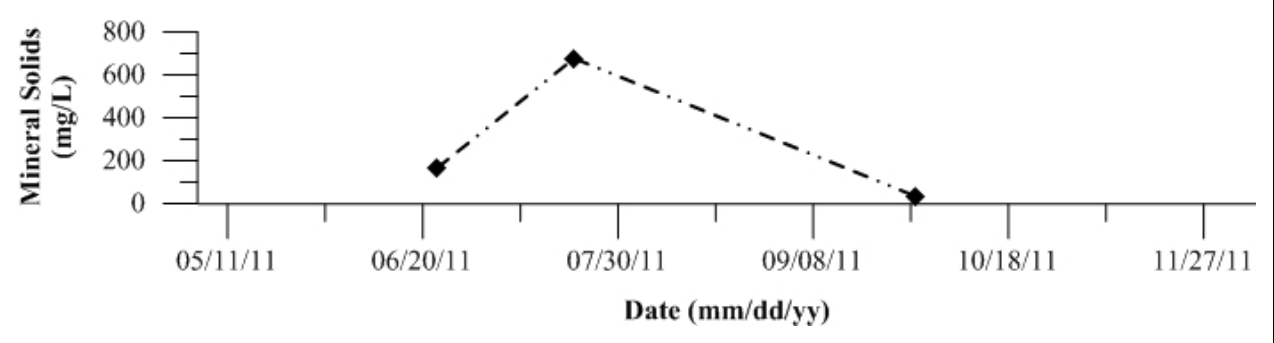


Figure 496: Mineral Suspended Solids for Site 36 Del Puerto Creek. Data collected in 2011.

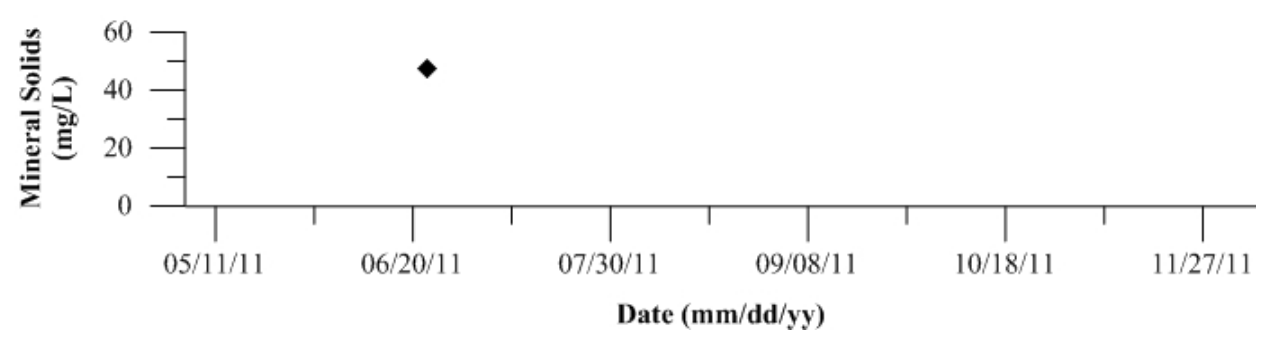


Figure 497: Mineral Suspended Solids for Site 44 San Luis Drain End. Data collected in 2011.

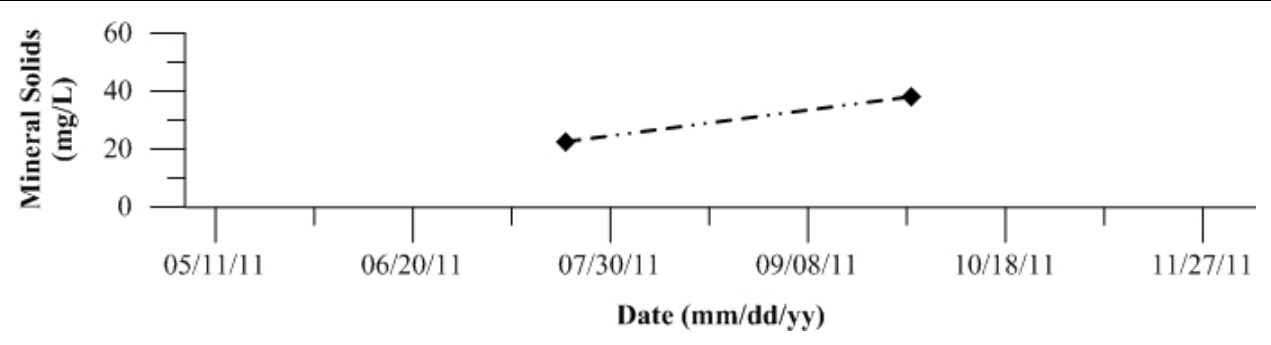


Figure 498: Mineral Suspended Solids for Site 57 Ramona Lake. Data collected in 2011.

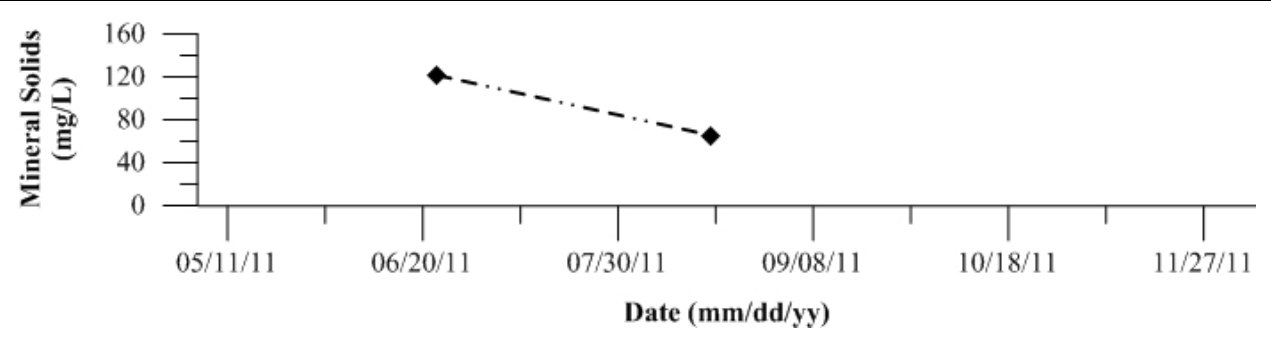


Figure 499: Mineral Suspended Solids for Site 127 SJR at Brant Bridge. Data collected in 2011.

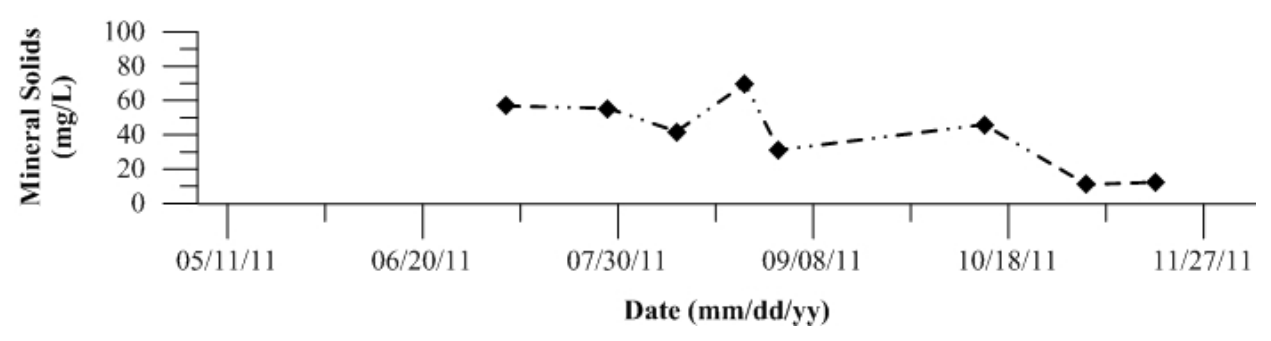


Figure 500: Mineral Suspended Solids for Site 402 Light 18 (Node 96). Data collected in 2011.

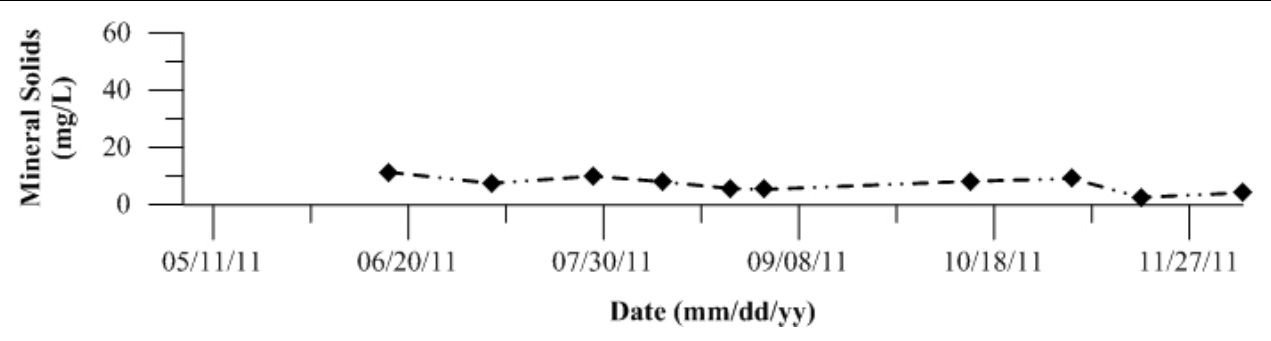


Figure 501: Mineral Suspended Solids for Site 405 Calaveras River. Data collected in 2011.

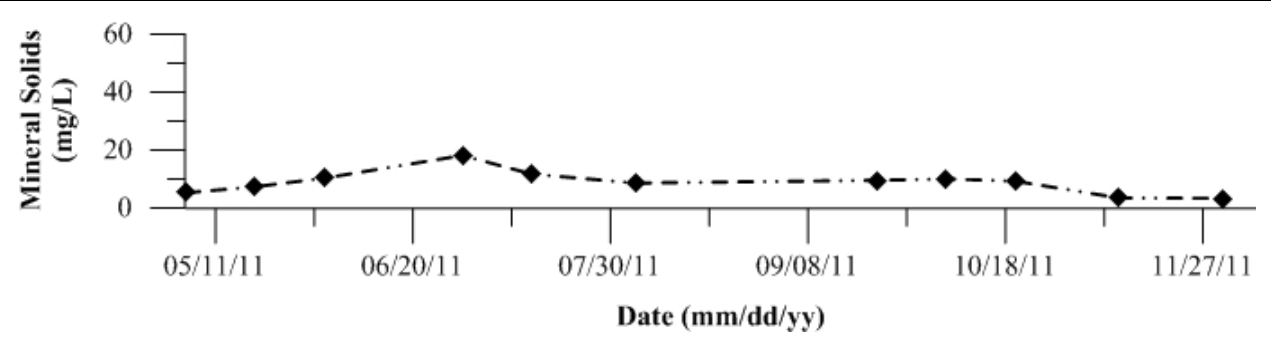


Figure 502: Mineral Suspended Solids for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

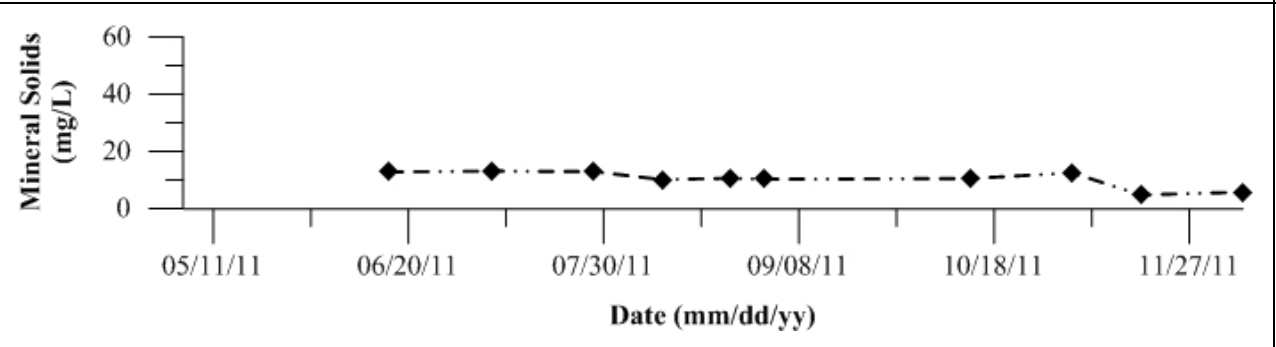


Figure 503: Mineral Suspended Solids for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

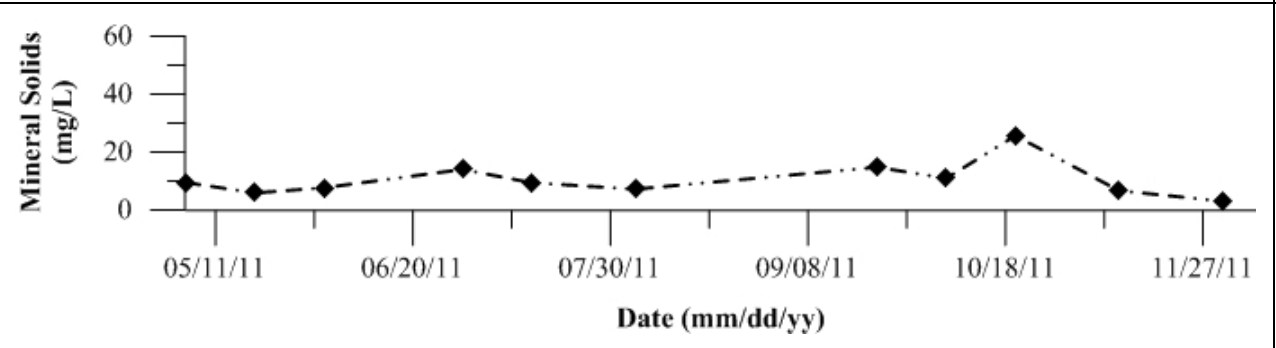


Figure 504: Mineral Suspended Solids for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

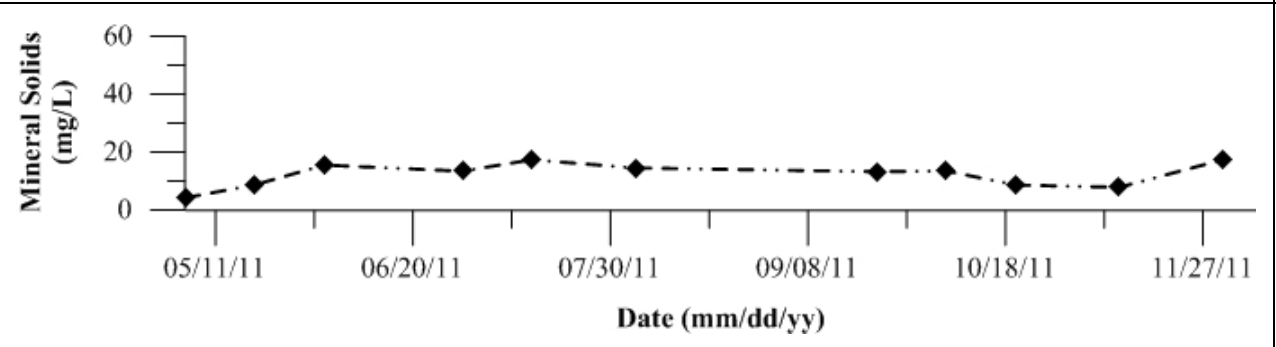


Figure 505: Mineral Suspended Solids for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

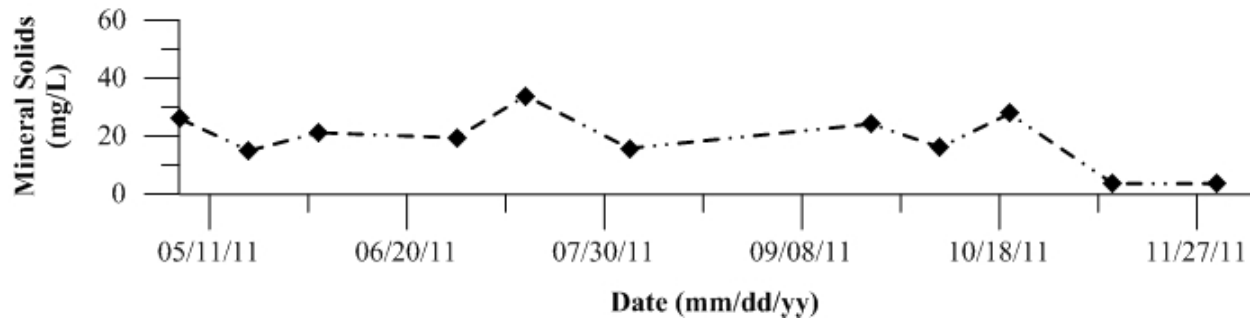


Figure 506: Mineral Suspended Solids for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

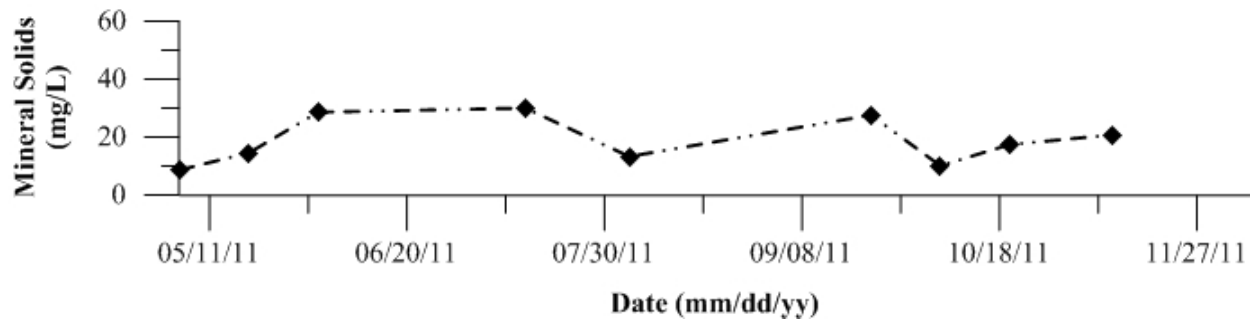


Figure 507: Mineral Suspended Solids for Site 424 14mi Slough. Data collected in 2011.

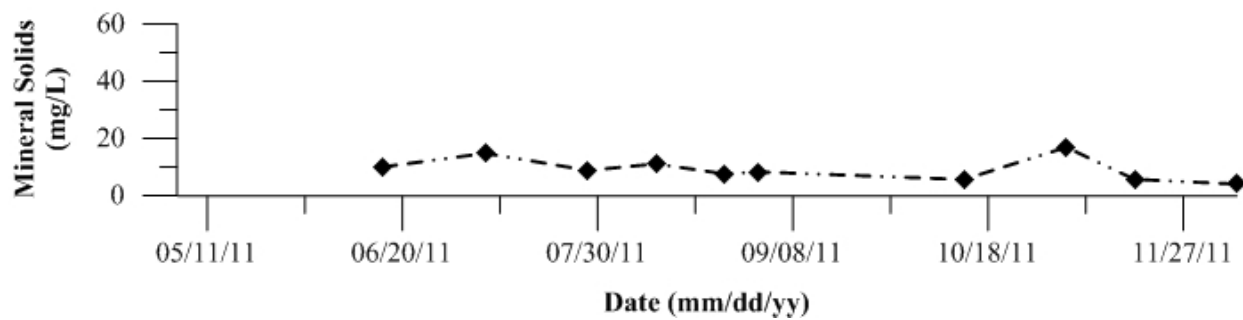


Figure 508: Mineral Suspended Solids for Site 425 Turner Cut. Data collected in 2011.

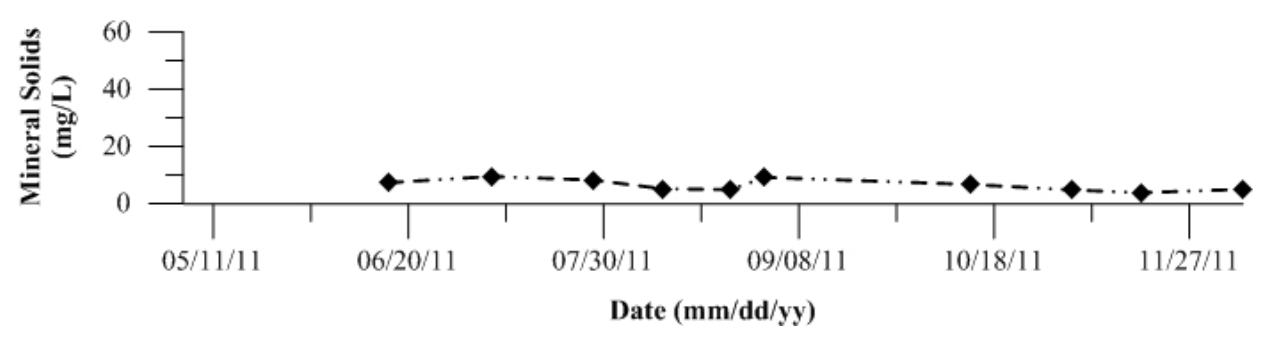


Figure 509: Mineral Suspended Solids for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

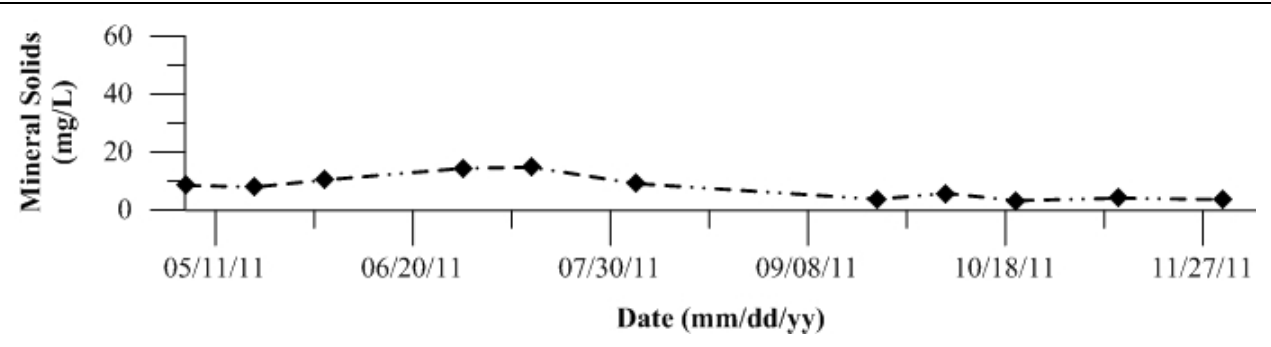


Figure 510: Mineral Suspended Solids for Site 427 RM 39 Near Louis Park. Data collected in 2011.

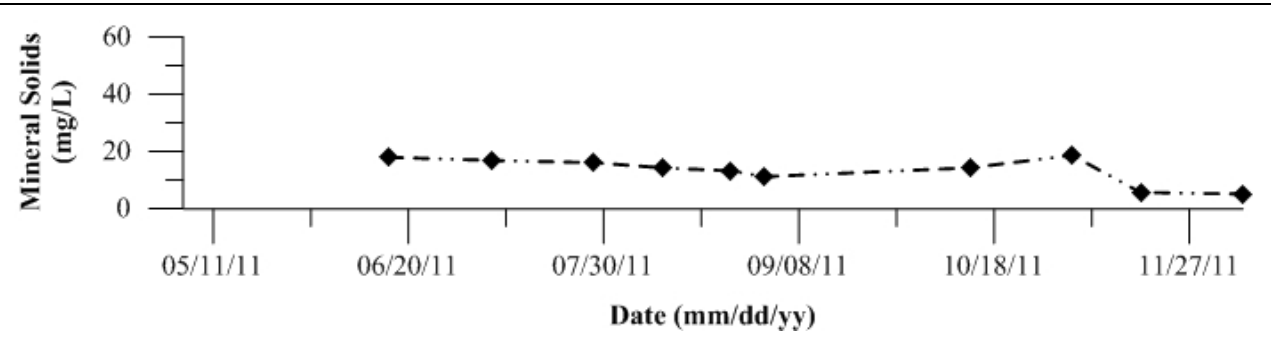


Figure 511: Mineral Suspended Solids for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

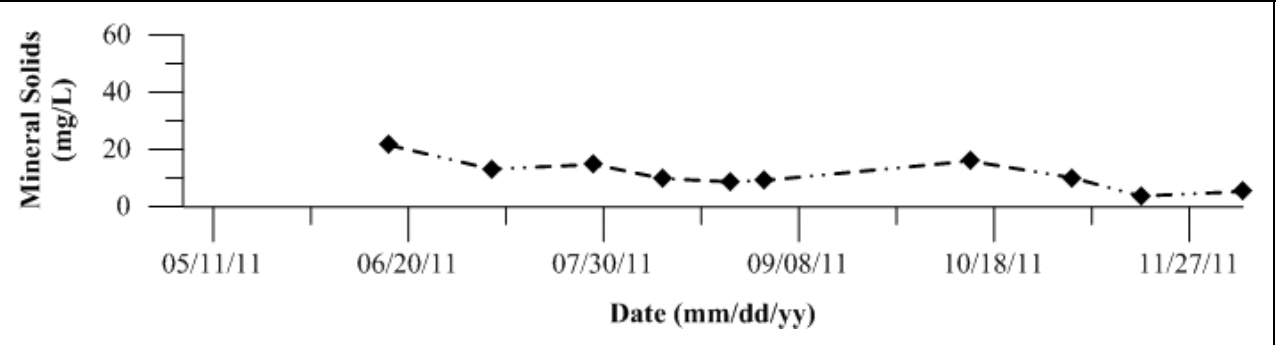
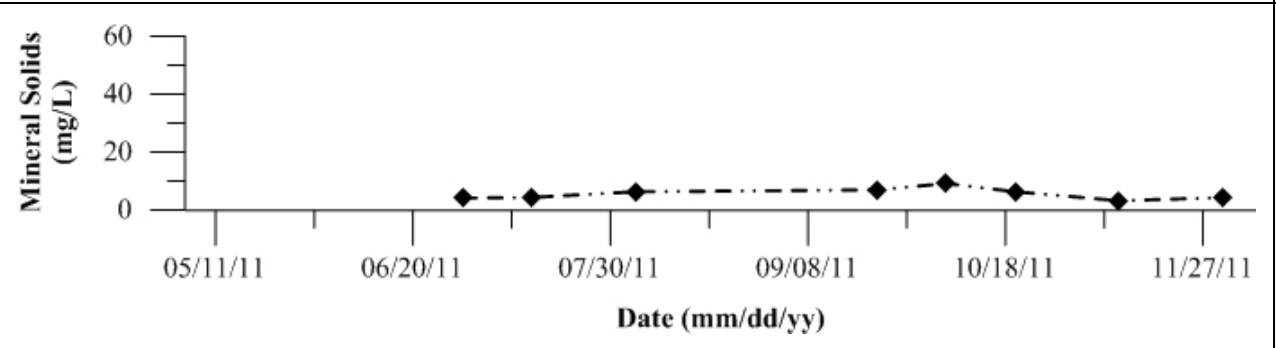


Figure 512: Mineral Suspended Solids for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 513-544: Temporal plots of Volatile Suspended Solids (VSS) by Site ID

Figure 513: Volatile Suspended Solids (VSS) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

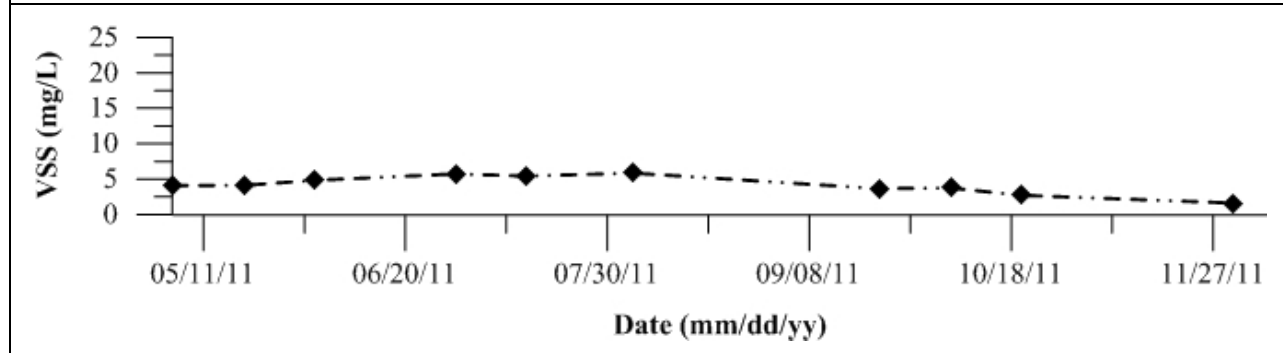


Figure 514: Volatile Suspended Solids (VSS) for Site 4 SJR at Mossdale. Data collected in 2011.

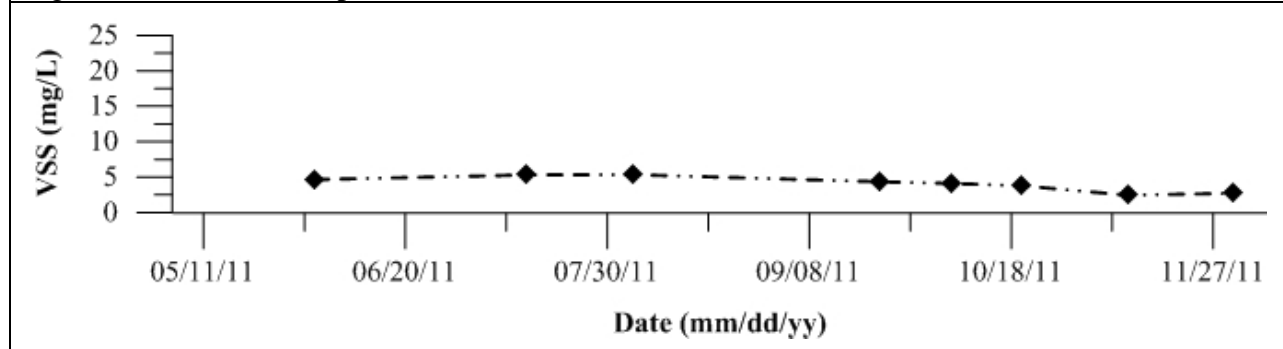


Figure 515: Volatile Suspended Solids (VSS) for Site 5 SJR at McCune Station. Data collected in 2011.

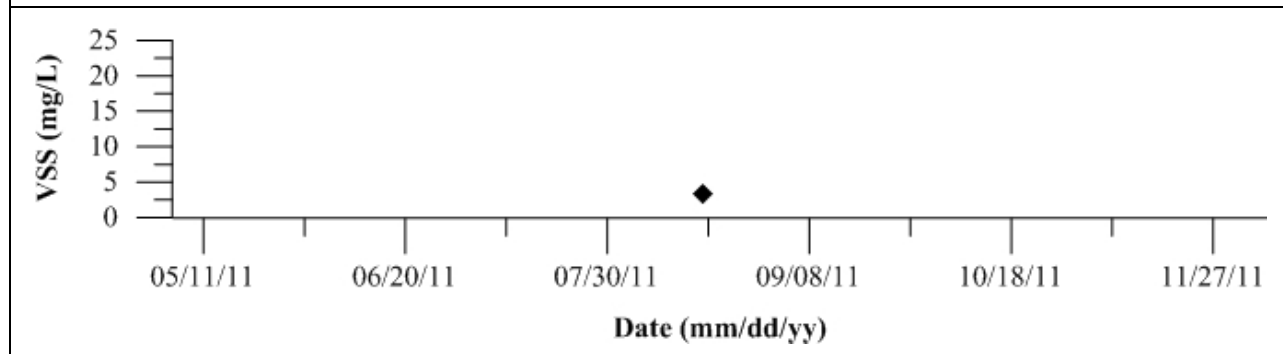


Figure 516: Volatile Suspended Solids (VSS) for Site 7 SJR at Patterson. Data collected in 2011.

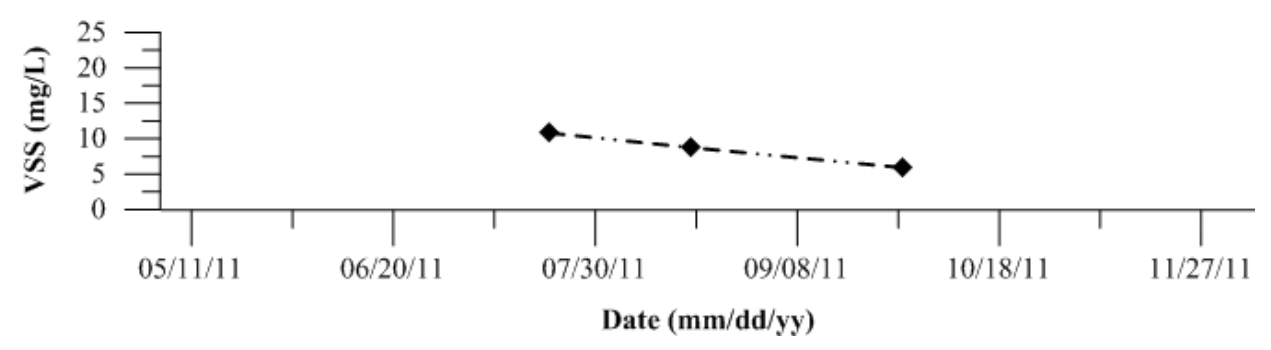


Figure 517: Volatile Suspended Solids (VSS) for Site 10 SJR at Lander Avenue. Data collected in 2011.

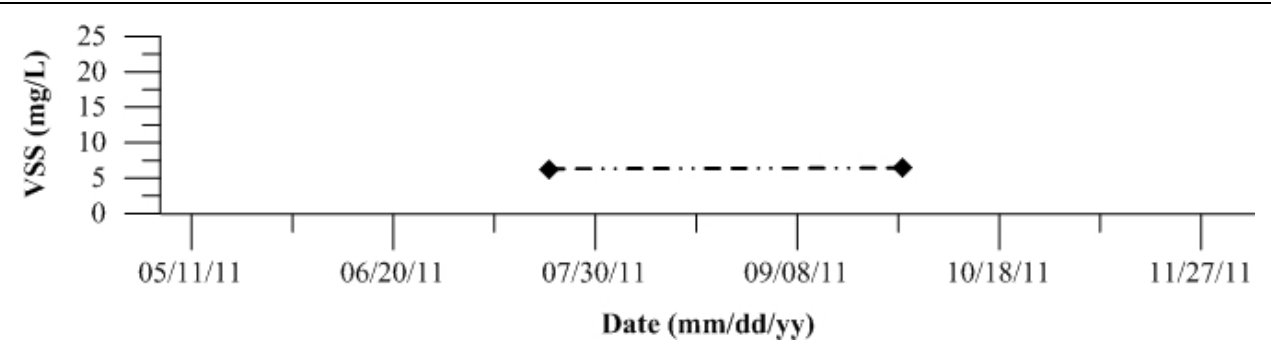


Figure 518: Volatile Suspended Solids (VSS) for Site 11 French Camp Slough. Data collected in 2011.

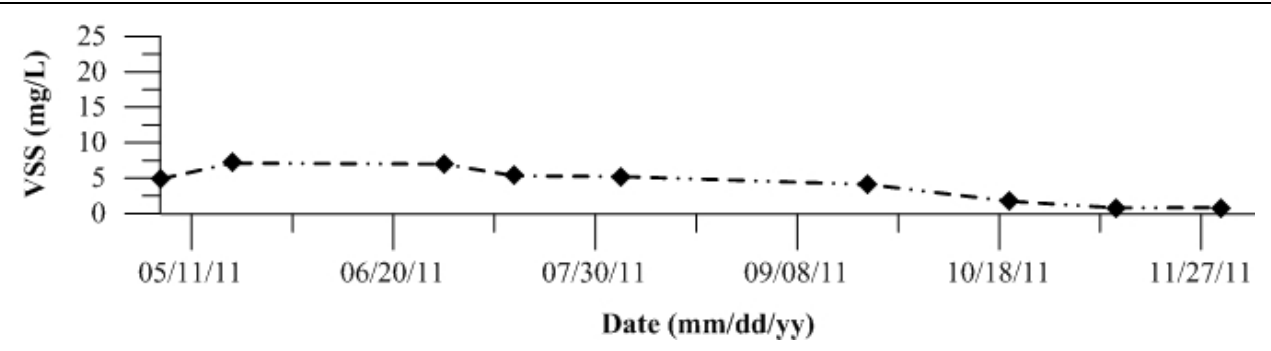


Figure 519: Volatile Suspended Solids (VSS) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

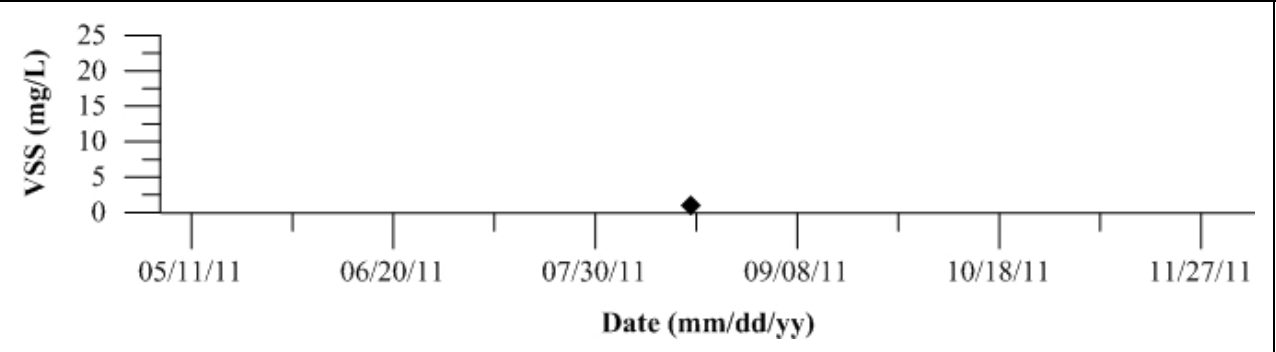


Figure 520: Volatile Suspended Solids (VSS) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

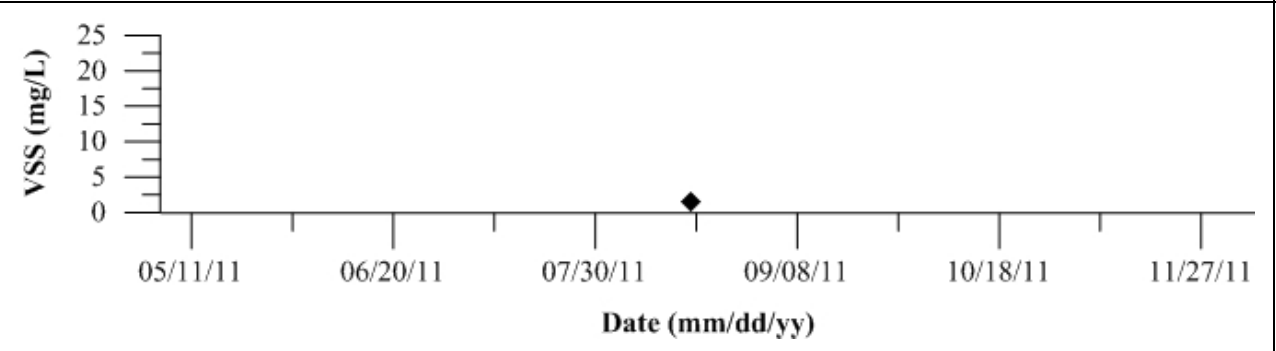


Figure 521: Volatile Suspended Solids (VSS) for Site 16 Merced River at River Road. Data collected in 2011.

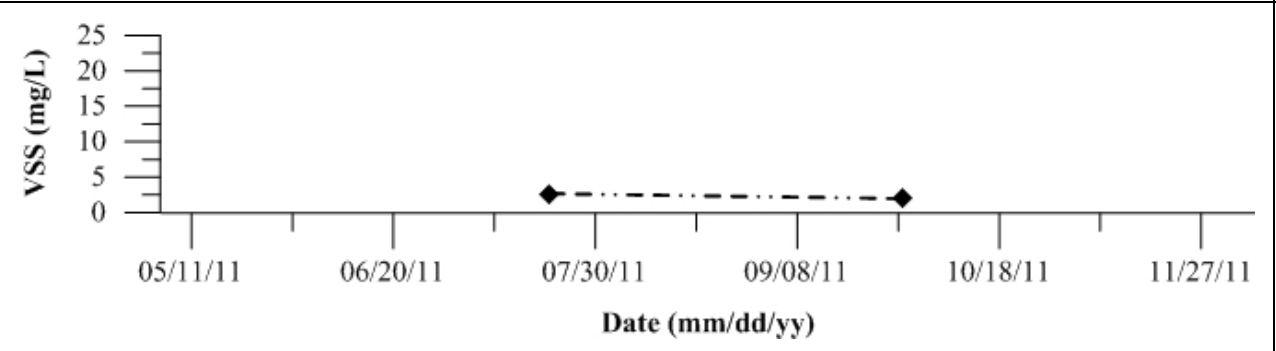


Figure 522: Volatile Suspended Solids (VSS) for Site 18 Mud Slough near Gustine. Data collected in 2011.

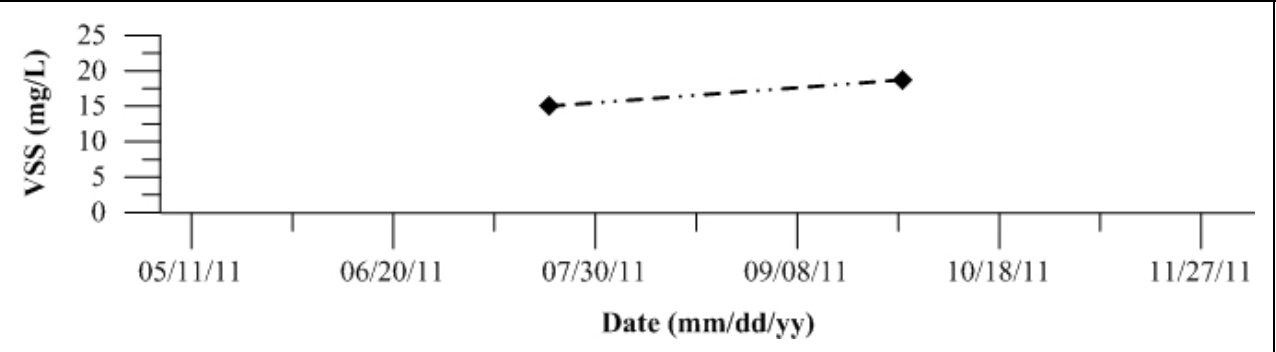


Figure 523: Volatile Suspended Solids (VSS) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

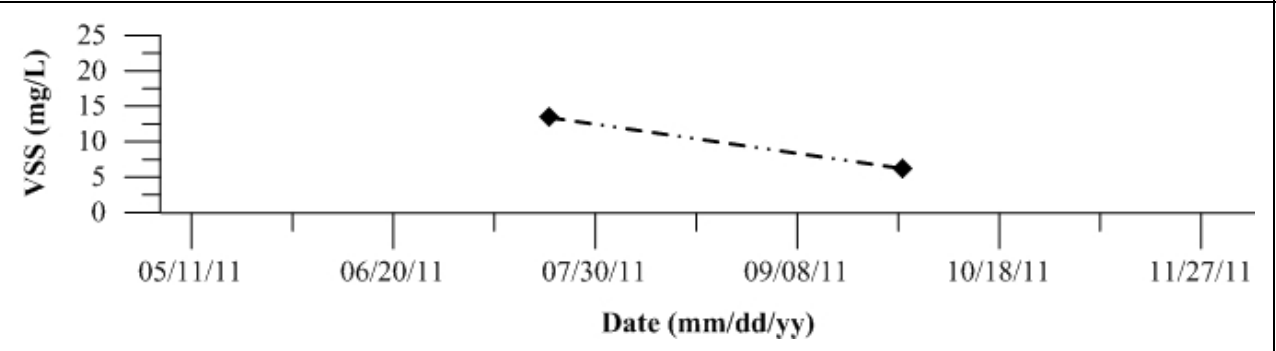


Figure 524: Volatile Suspended Solids (VSS) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

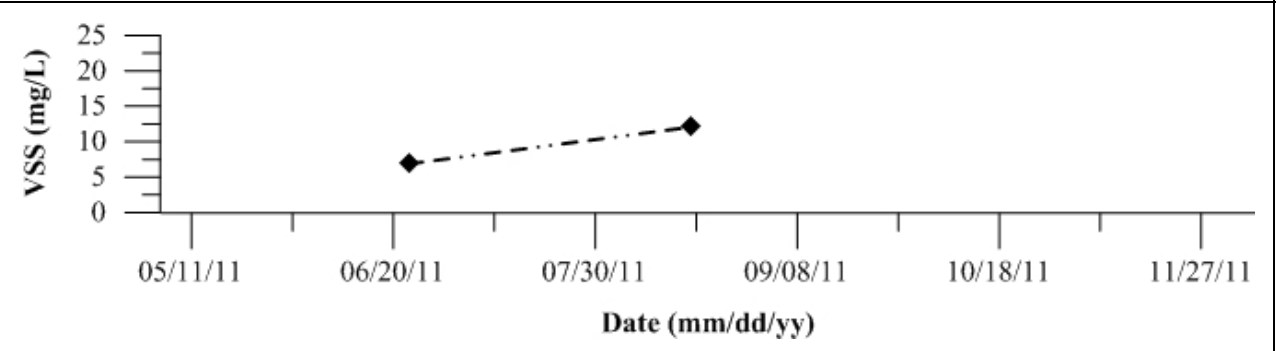


Figure 525: Volatile Suspended Solids (VSS) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

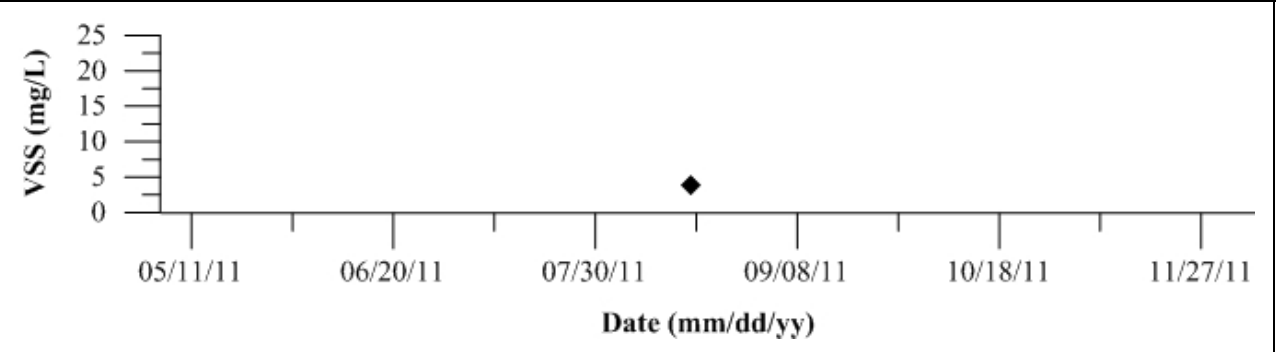


Figure 526: Volatile Suspended Solids (VSS) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

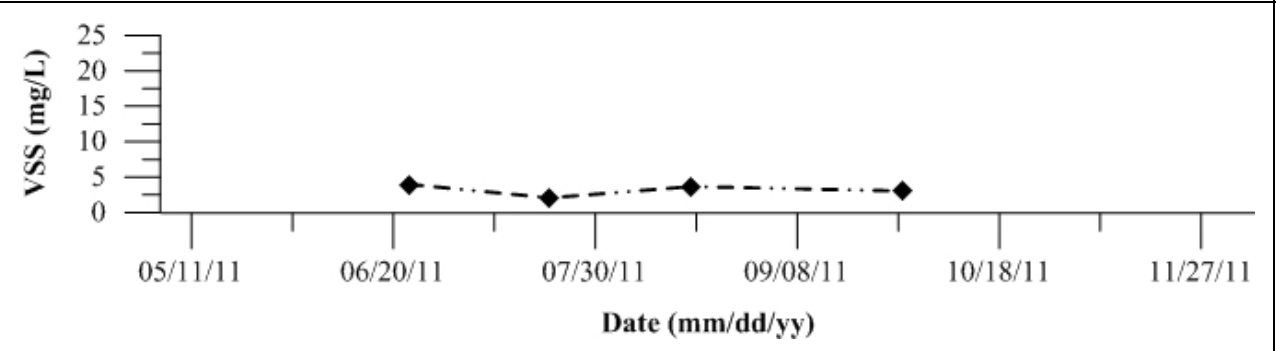


Figure 527: Volatile Suspended Solids (VSS) for Site 34 Ingram Creek. Data collected in 2011.

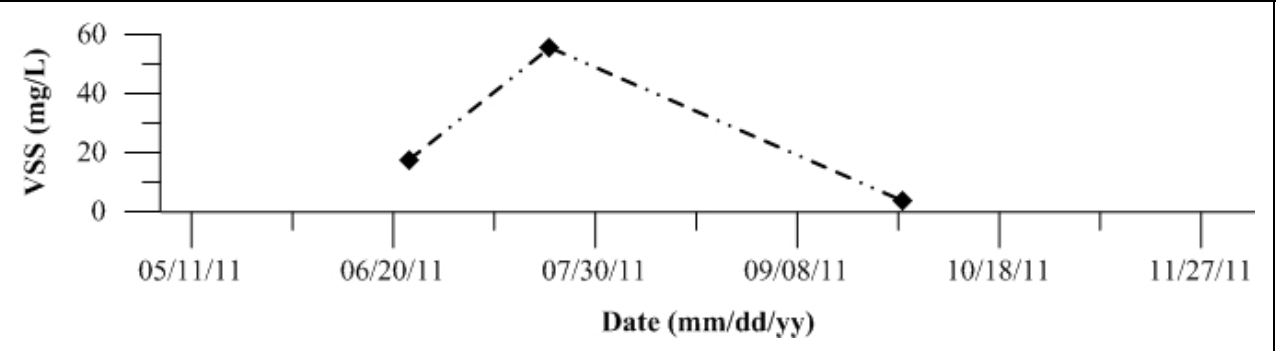


Figure 528: Volatile Suspended Solids (VSS) for Site 36 Del Puerto Creek. Data collected in 2011.

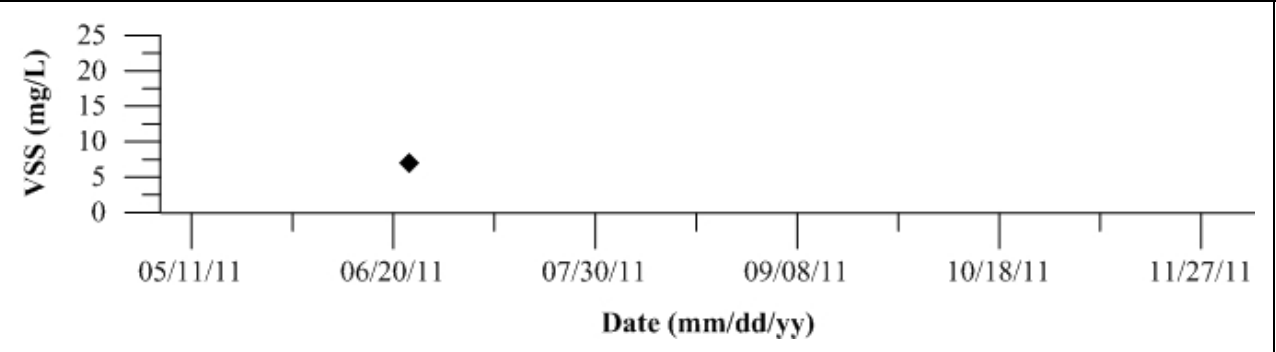


Figure 529: Volatile Suspended Solids (VSS) for Site 44 San Luis Drain End. Data collected in 2011.

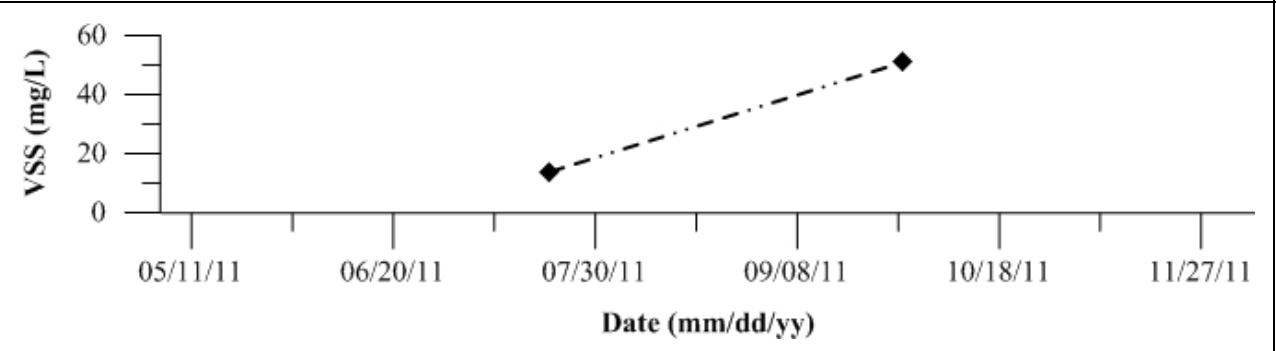


Figure 530: Volatile Suspended Solids (VSS) for Site 57 Ramona Lake. Data collected in 2011.

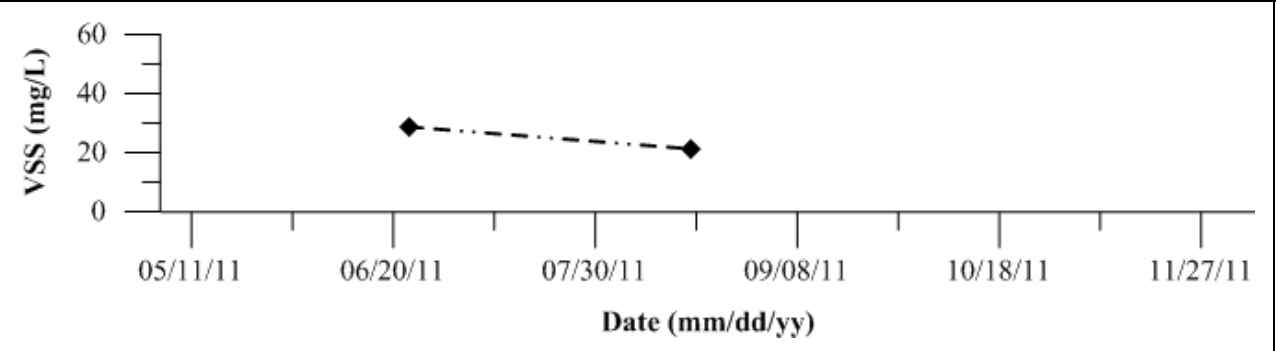


Figure 531: Volatile Suspended Solids (VSS) for Site 127 SJR at Brant Bridge. Data collected in 2011.

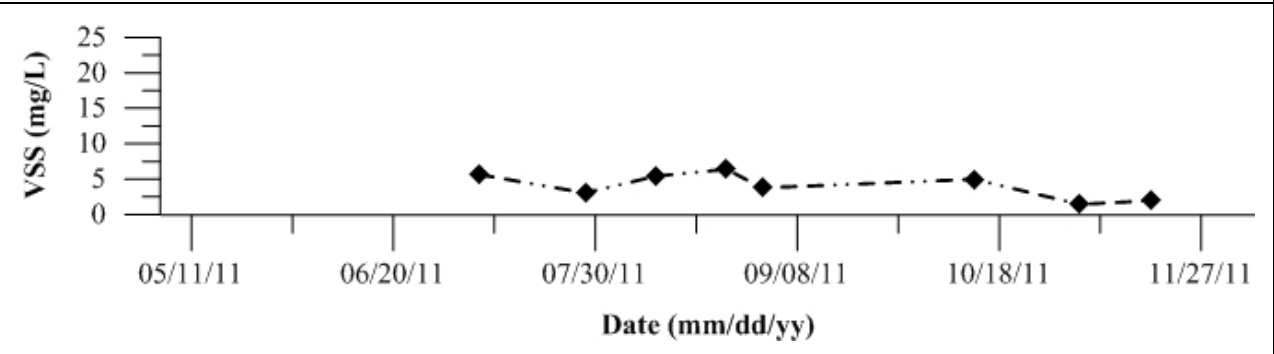


Figure 532: Volatile Suspended Solids (VSS) for Site 402 Light 18 (Node 96). Data collected in 2011.

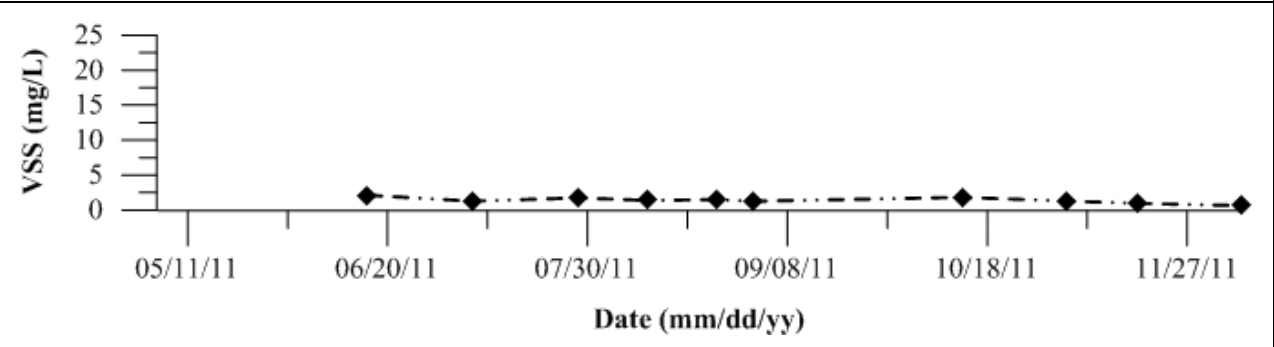


Figure 533: Volatile Suspended Solids (VSS) for Site 405 Calaveras River. Data collected in 2011.

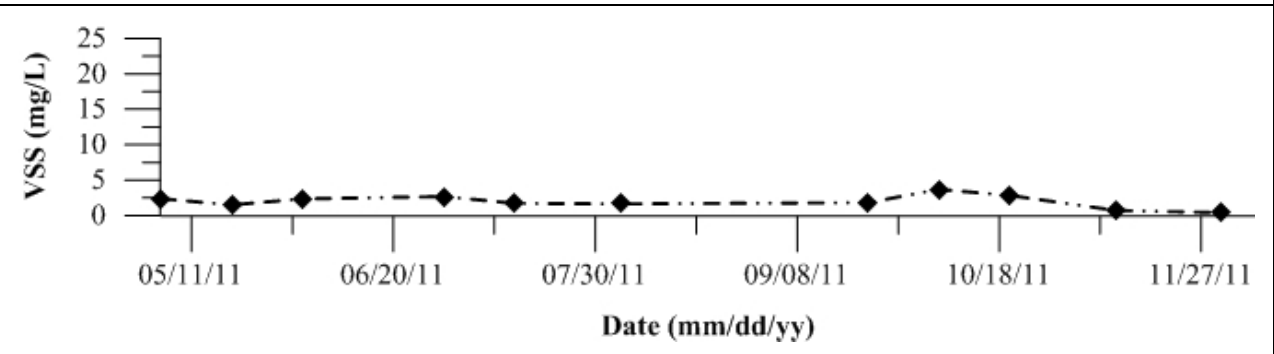


Figure 534: Volatile Suspended Solids (VSS) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

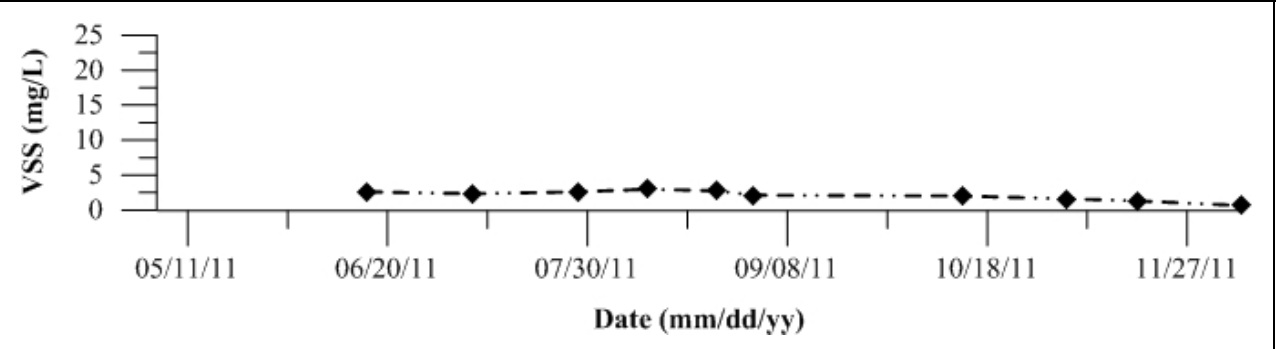


Figure 535: Volatile Suspended Solids (VSS) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

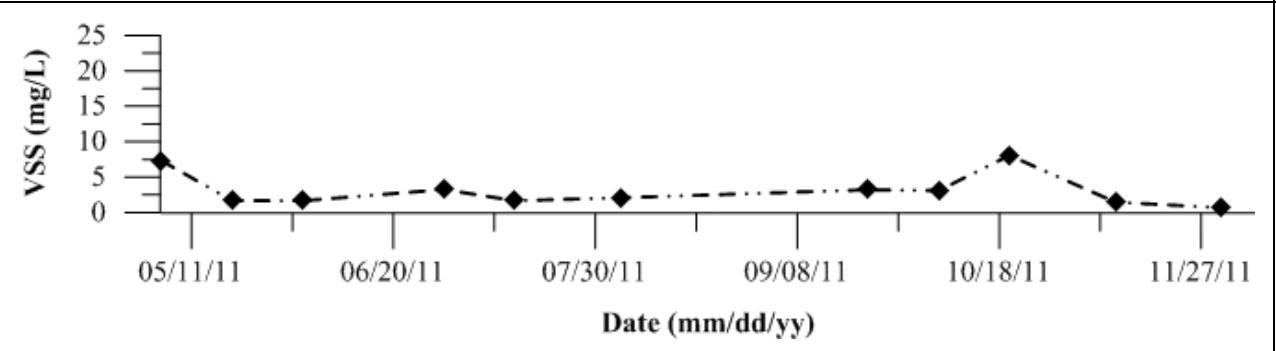


Figure 536: Volatile Suspended Solids (VSS) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

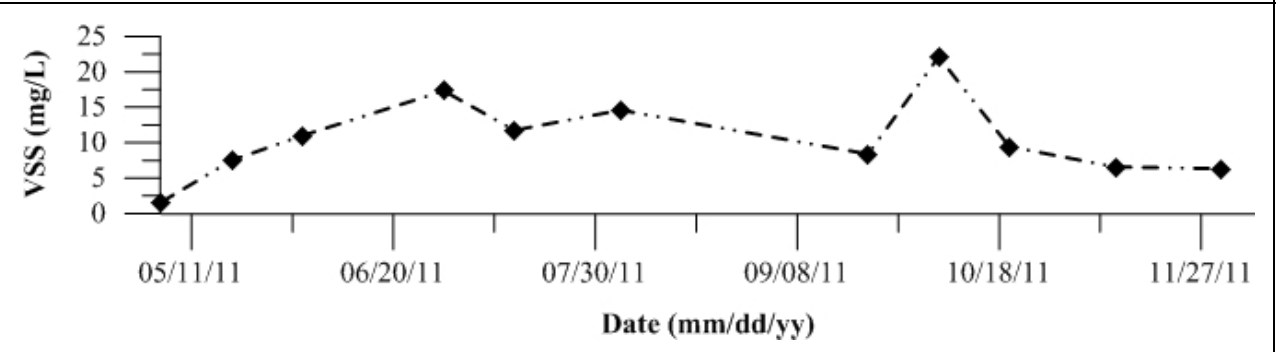


Figure 537: Volatile Suspended Solids (VSS) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

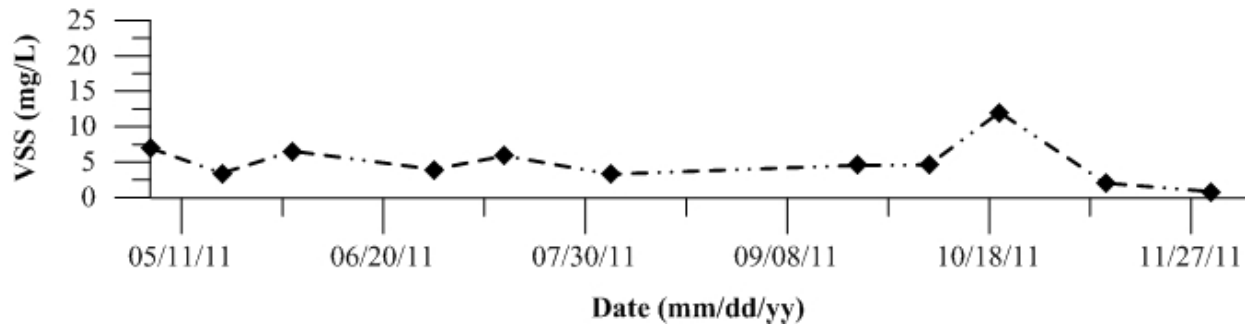


Figure 538: Volatile Suspended Solids (VSS) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

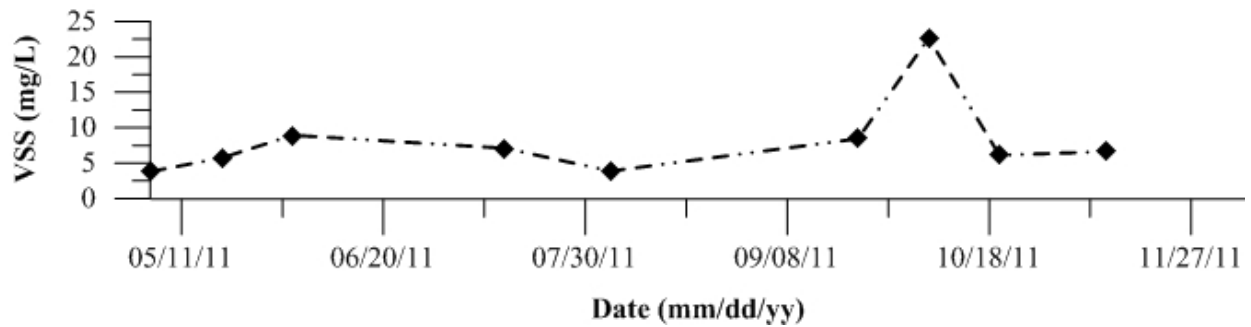


Figure 539: Volatile Suspended Solids (VSS) for Site 424 14mi Slough. Data collected in 2011.

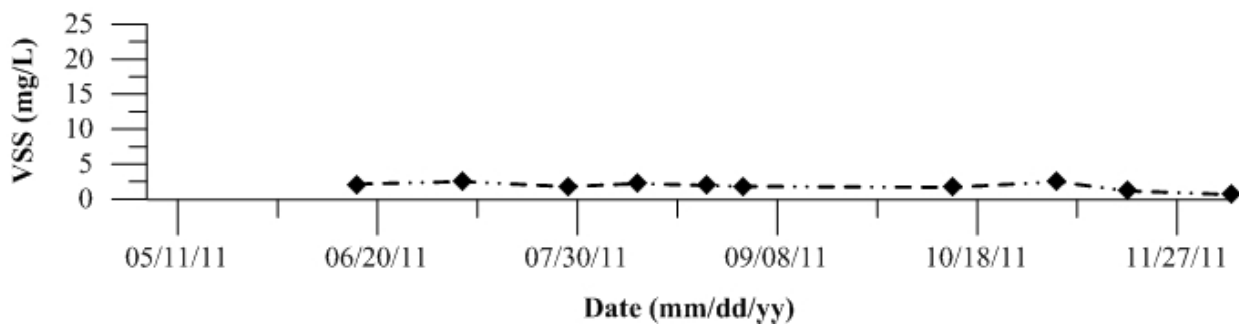


Figure 540: Volatile Suspended Solids (VSS) for Site 425 Turner Cut. Data collected in 2011.

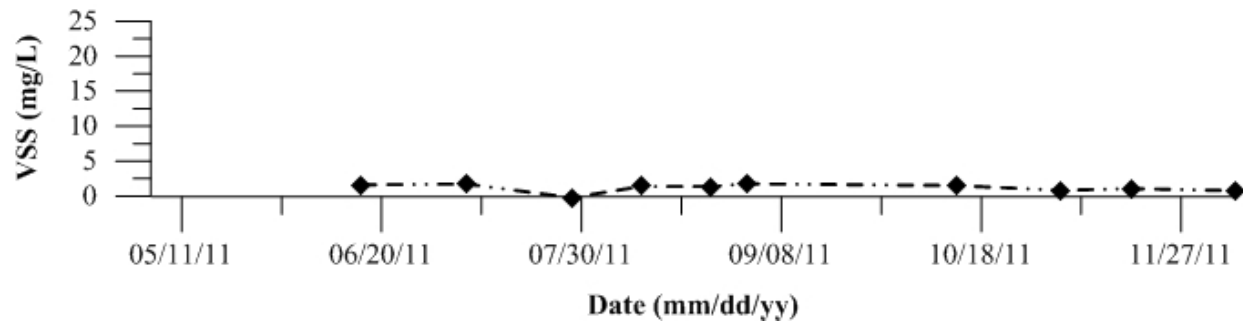


Figure 541: Volatile Suspended Solids (VSS) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

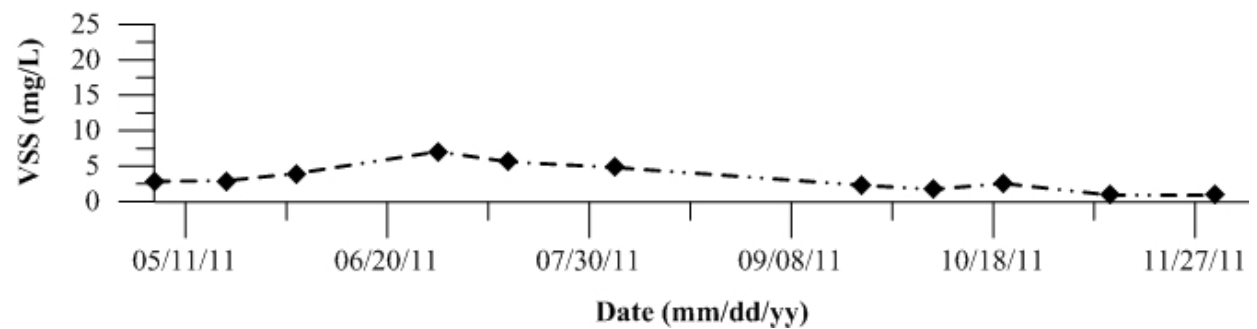


Figure 542: Volatile Suspended Solids (VSS) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

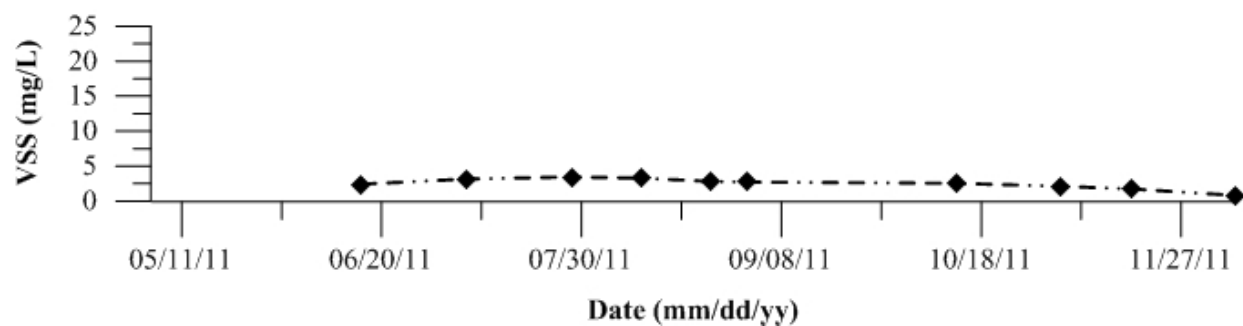


Figure 543: Volatile Suspended Solids (VSS) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

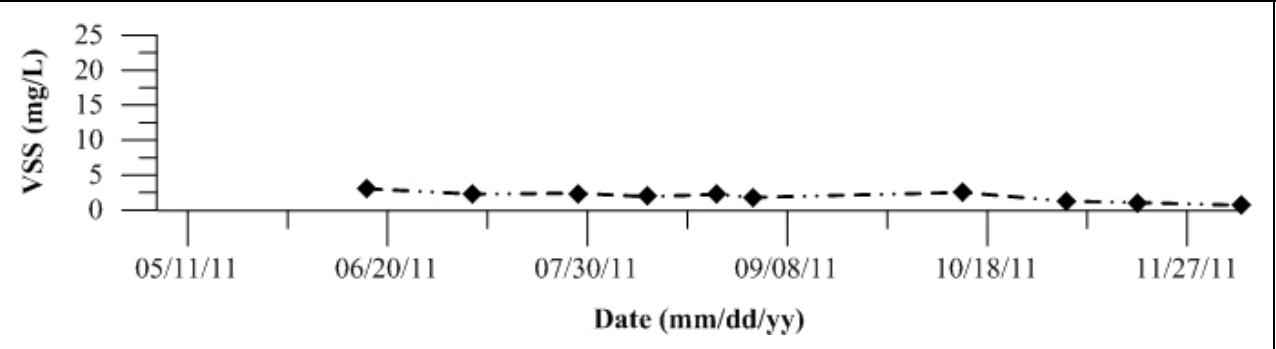
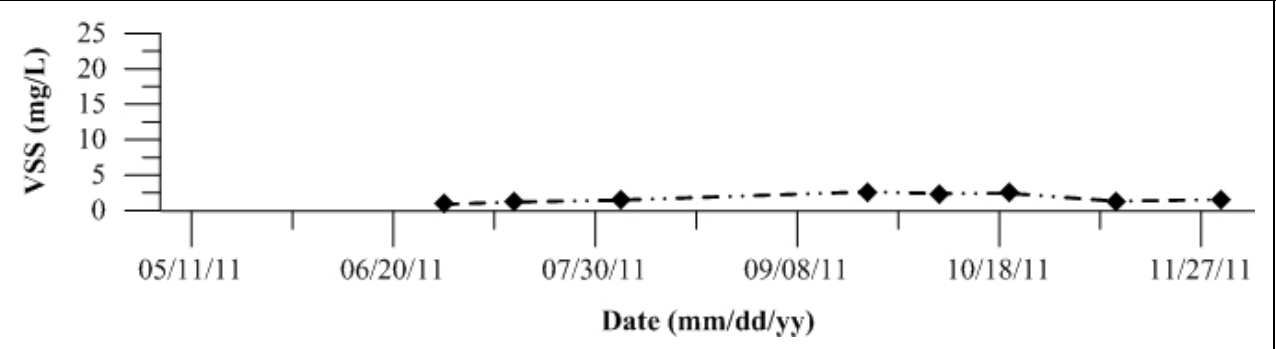


Figure 544: Volatile Suspended Solids (VSS) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 545-576: Temporal plots of dissolved nitrate-N by Site ID

Figure 545: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

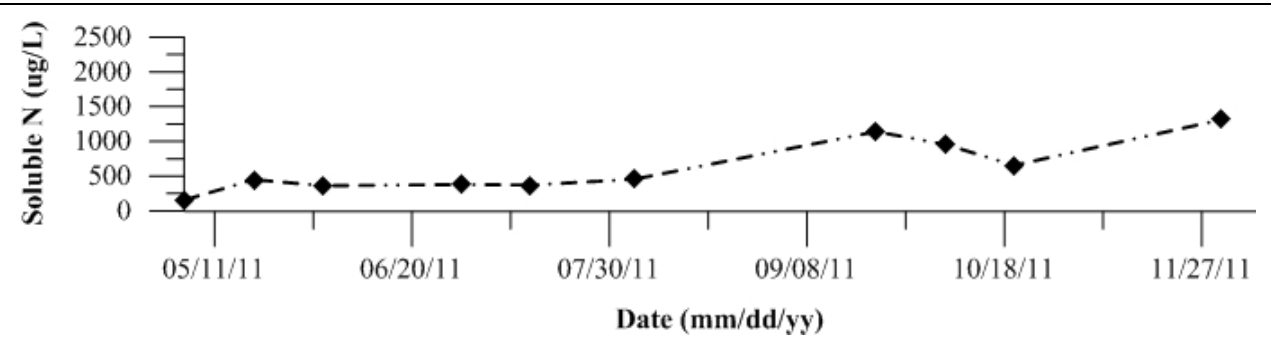


Figure 546: Soluble nitrogen (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 4 SJR at Mossdale. Data collected in 2011.

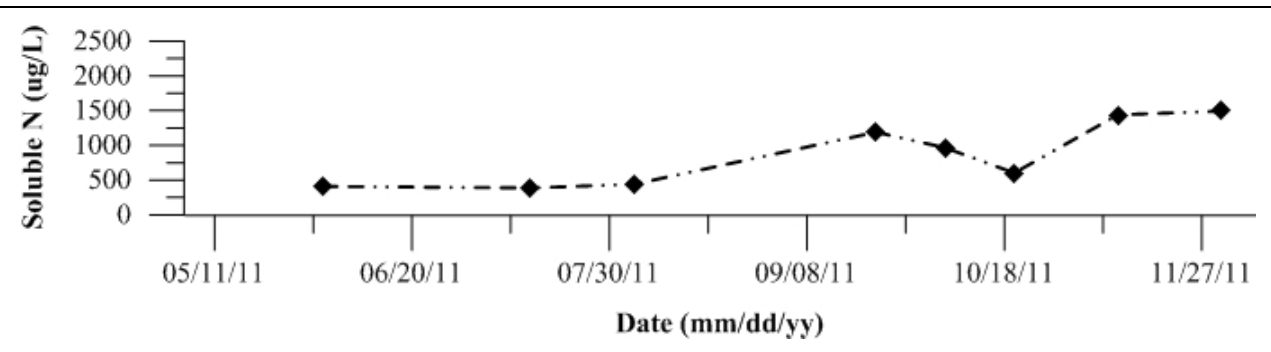


Figure 547: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 5 SJR at McCune Station. Data collected in 2011.

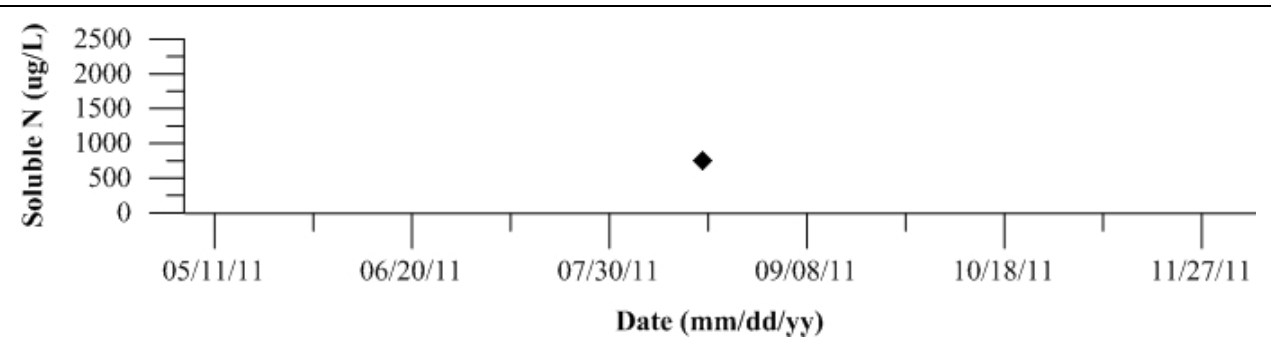


Figure 548: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO_3^-) and nitrite (NO_2^-) for Site 7 SJR at Patterson. Data collected in 2011.

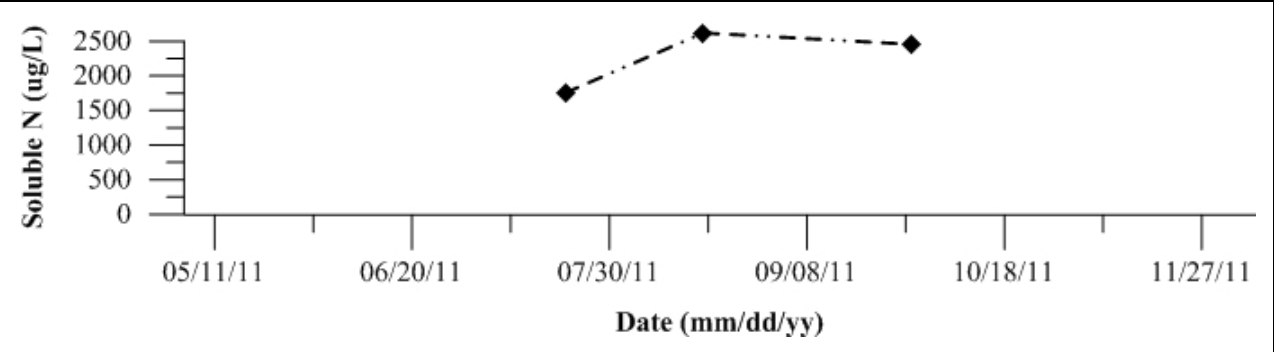


Figure 549: Soluble nitrogen (Soluble N) as the sum of nitrate (NO_3^-) and nitrite (NO_2^-) for Site 10 SJR at Lander Avenue. Data collected in 2011.

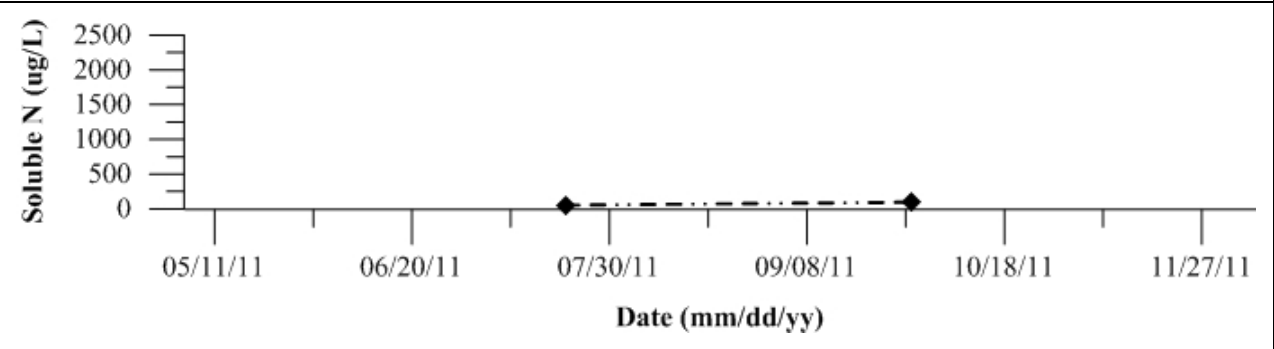


Figure 550: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO_3^-) and nitrite (NO_2^-) for Site 11 French Camp Slough. Data collected in 2011.

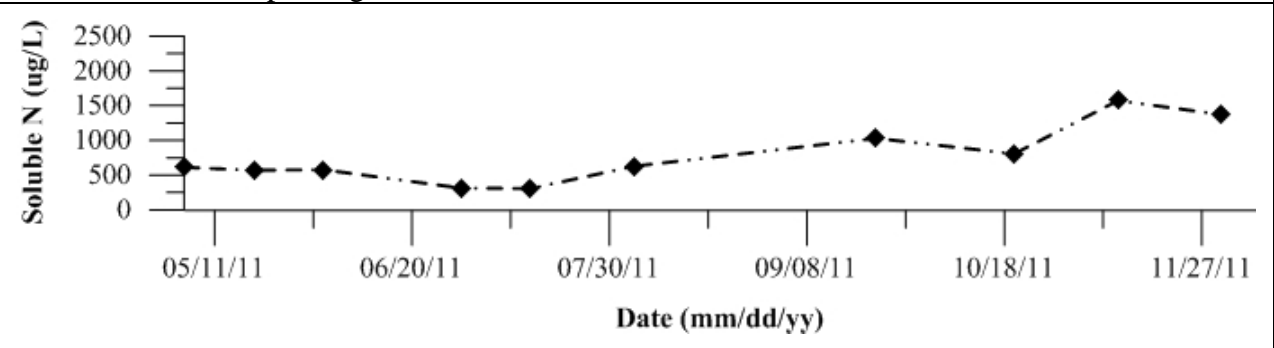


Figure 551: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

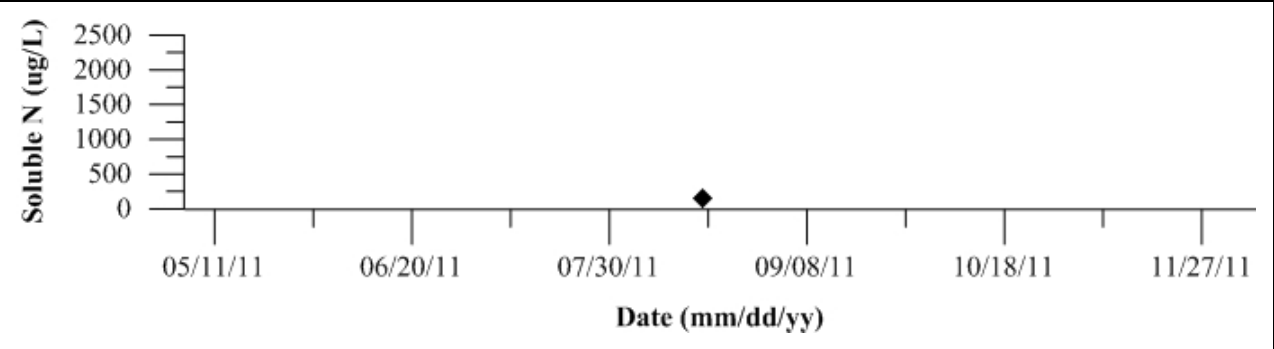


Figure 552: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

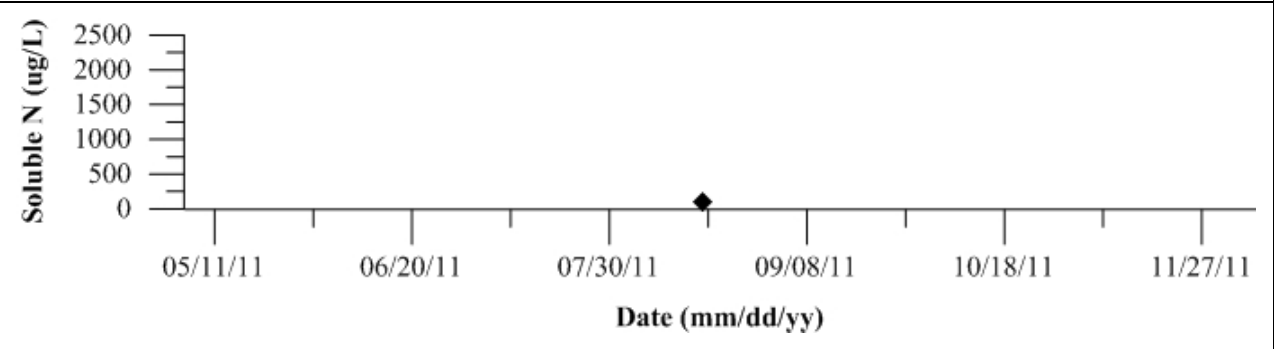


Figure 553: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 16 Merced River at River Road. Data collected in 2011.

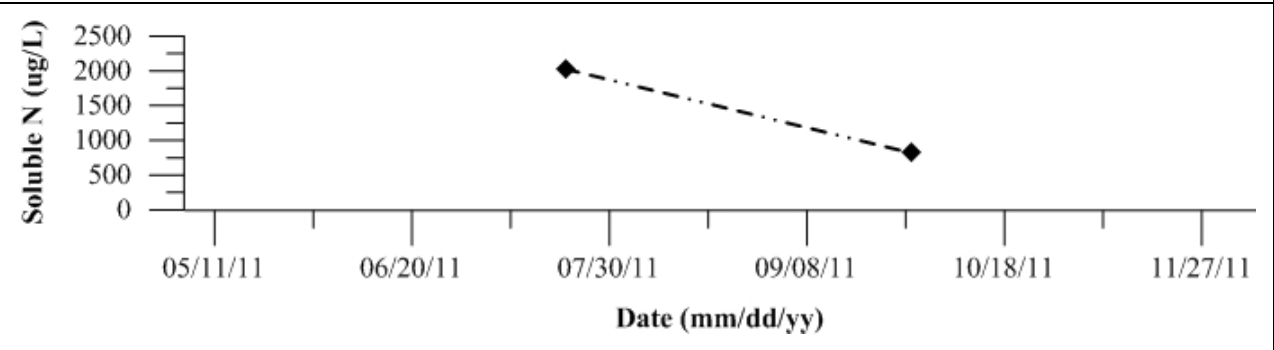


Figure 554: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 18 Mud Slough near Gustine. Data collected in 2011.

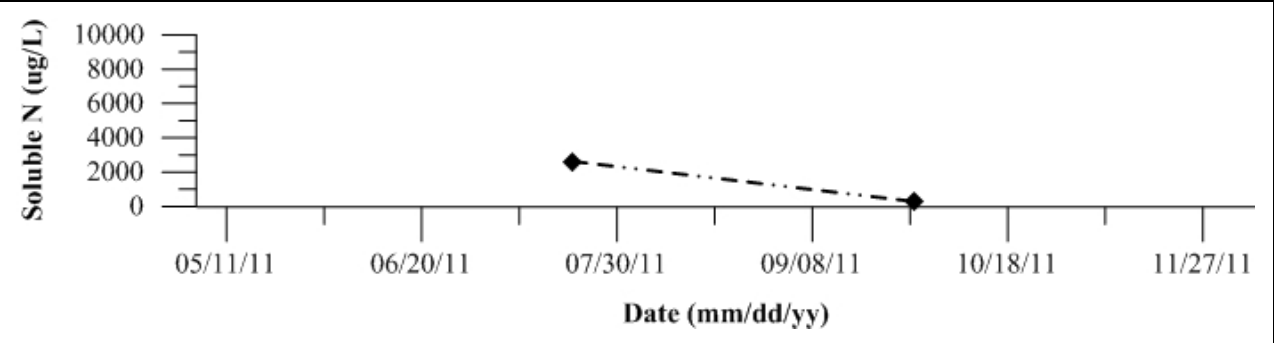


Figure 555: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

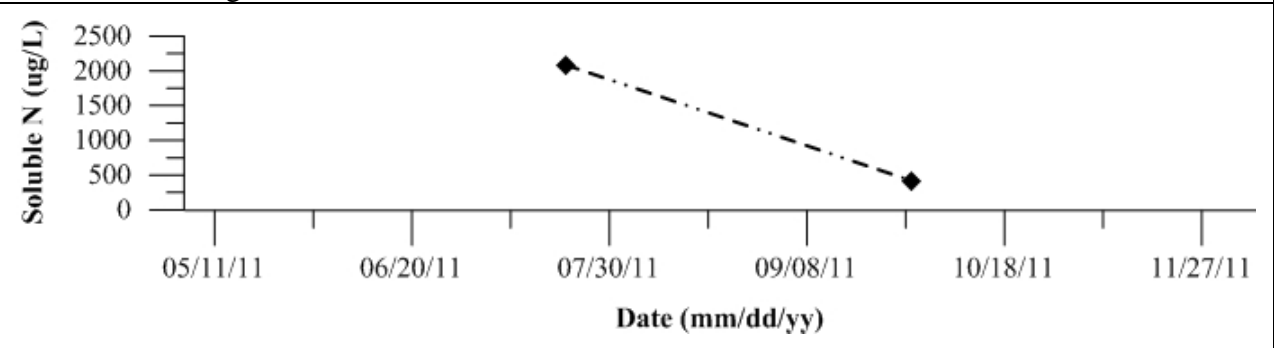


Figure 556: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

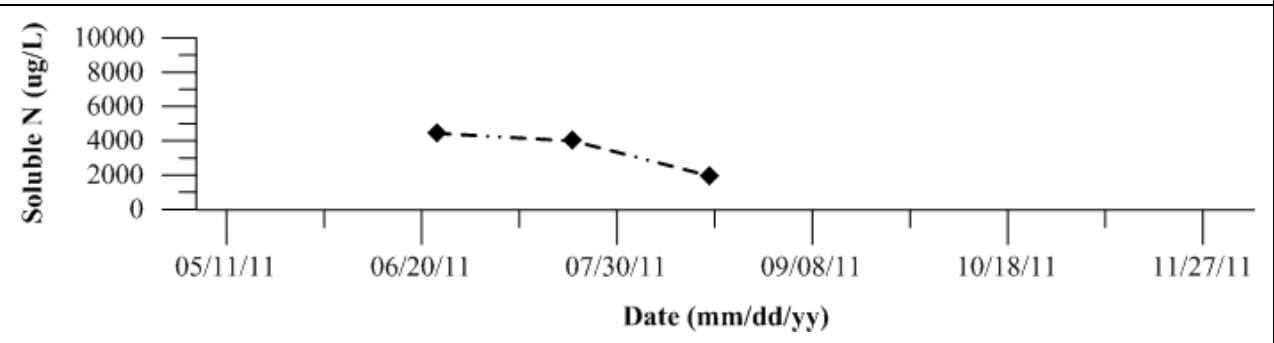


Figure 557: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

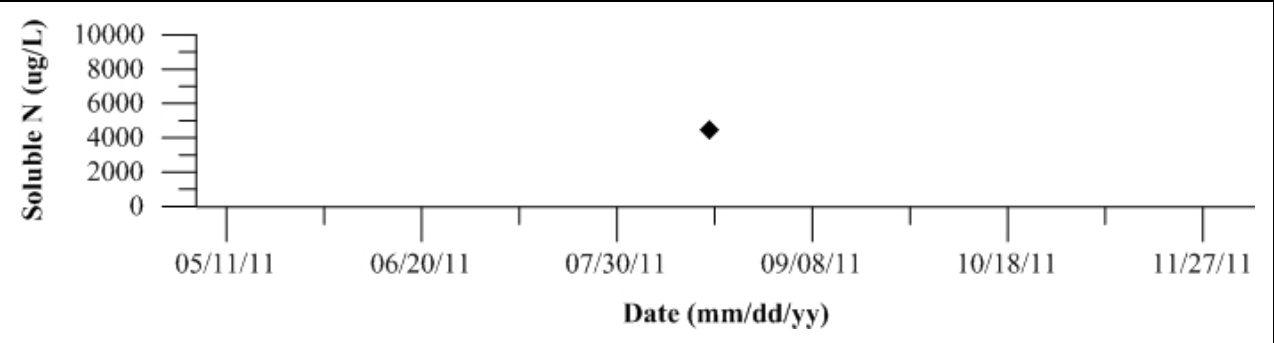


Figure 558: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

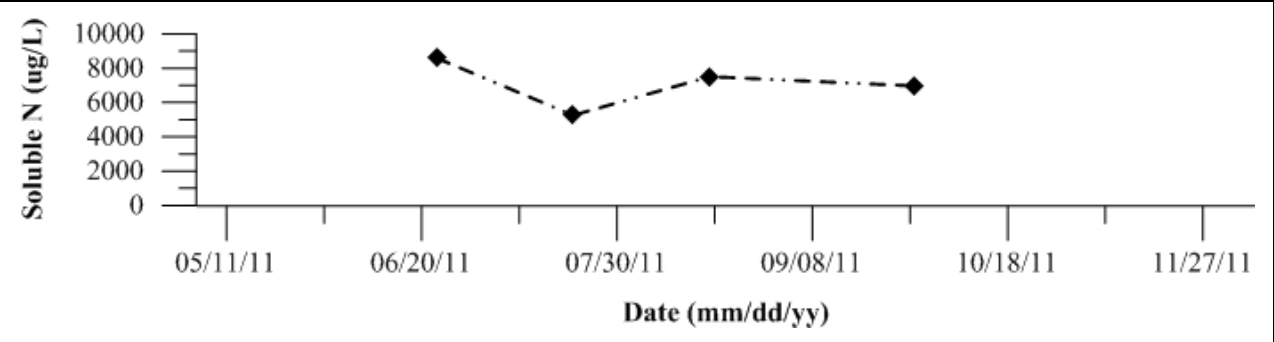


Figure 559: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 34 Ingram Creek. Data collected in 2011.

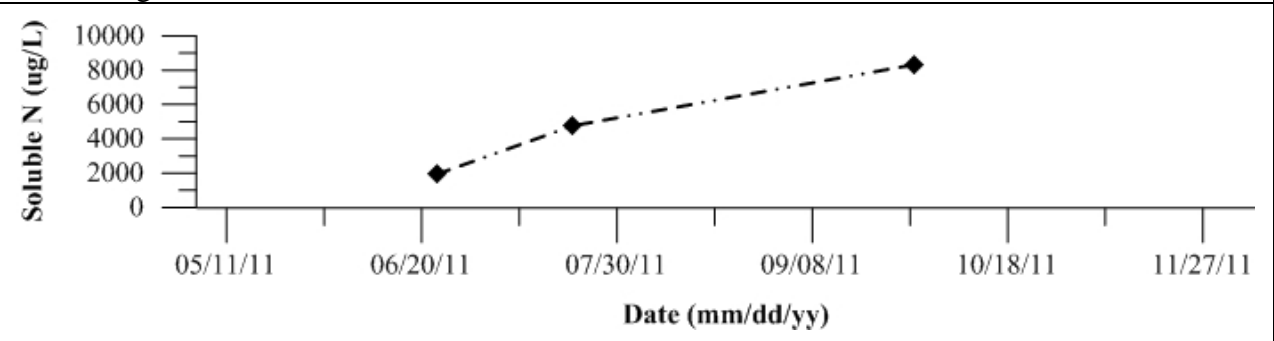


Figure 560: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 36 Del Puerto Creek. Data collected in 2011.

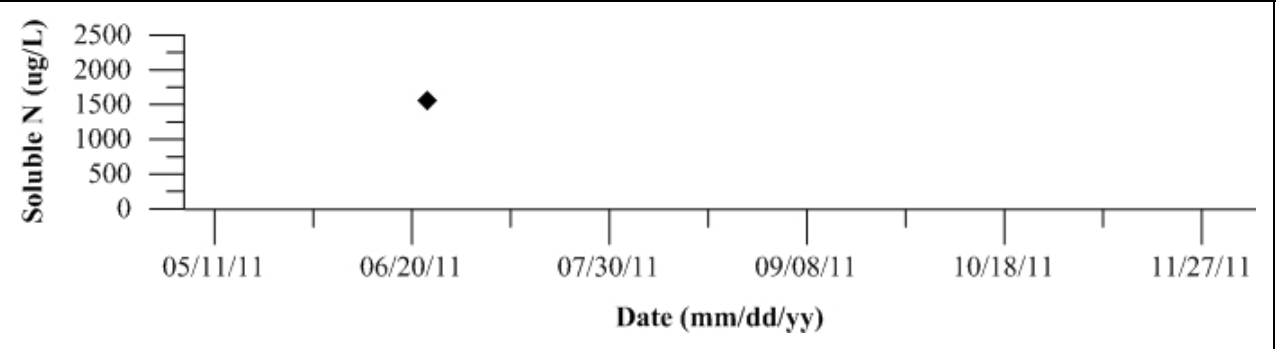


Figure 561: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 44 San Luis Drain End. Data collected in 2011.

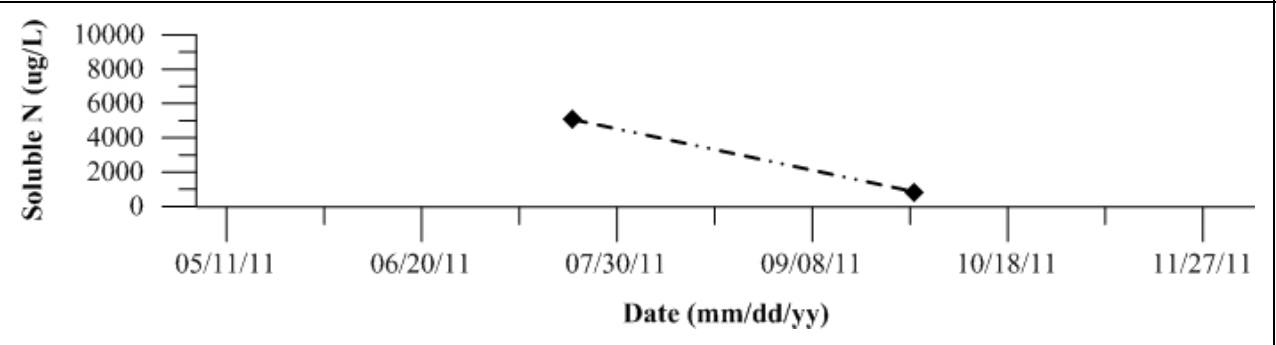


Figure 562: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 57 Ramona Lake. Data collected in 2011.

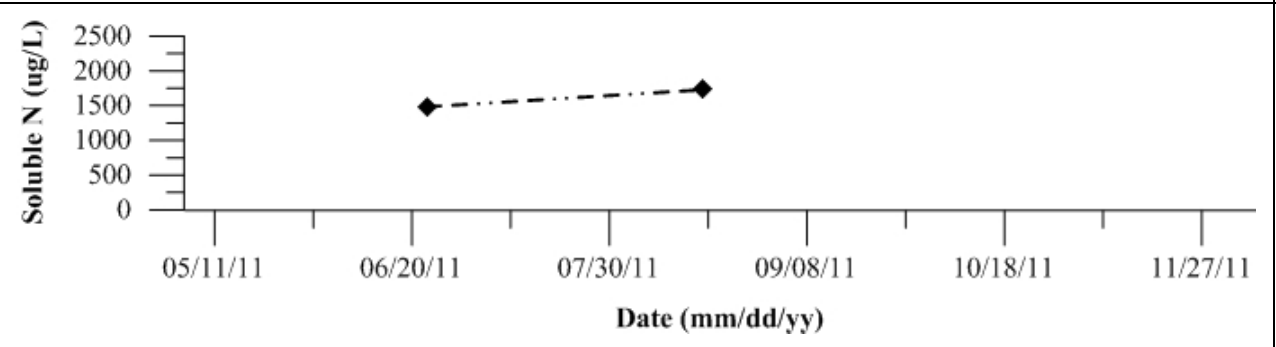


Figure 563: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 127 SJR at Brant Bridge. Data collected in 2011.

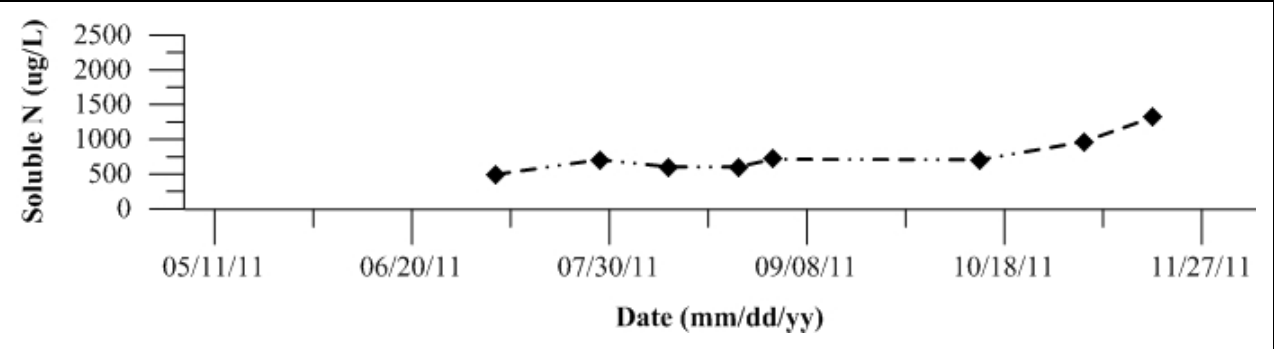


Figure 564: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 402 Light 18 (Node 96). Data collected in 2011.

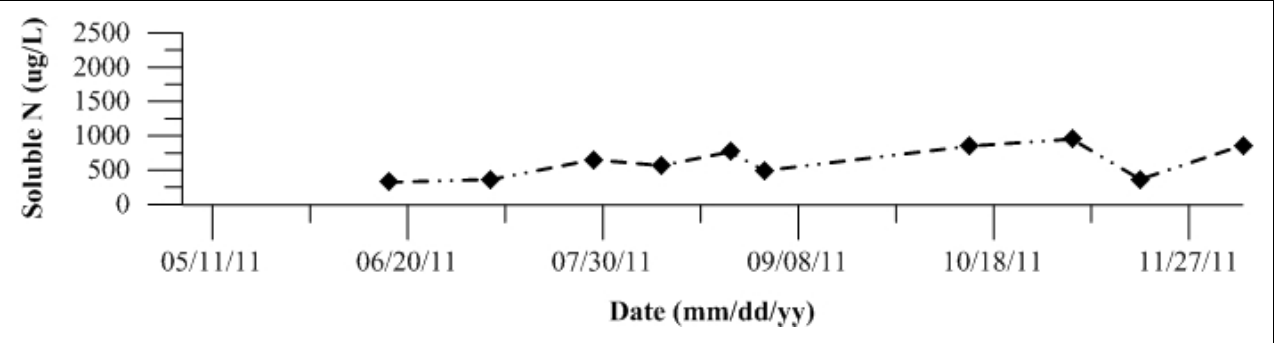


Figure 565: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 405 Calaveras River. Data collected in 2011.

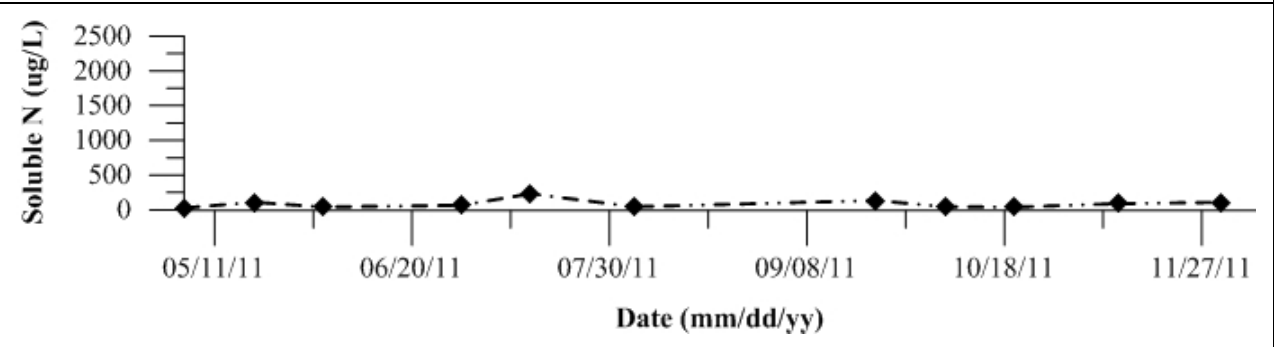


Figure 566: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

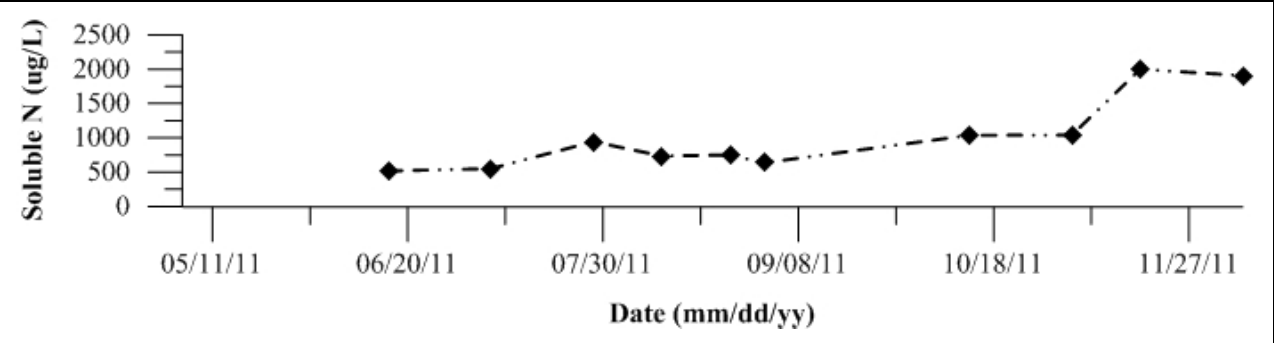


Figure 567: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

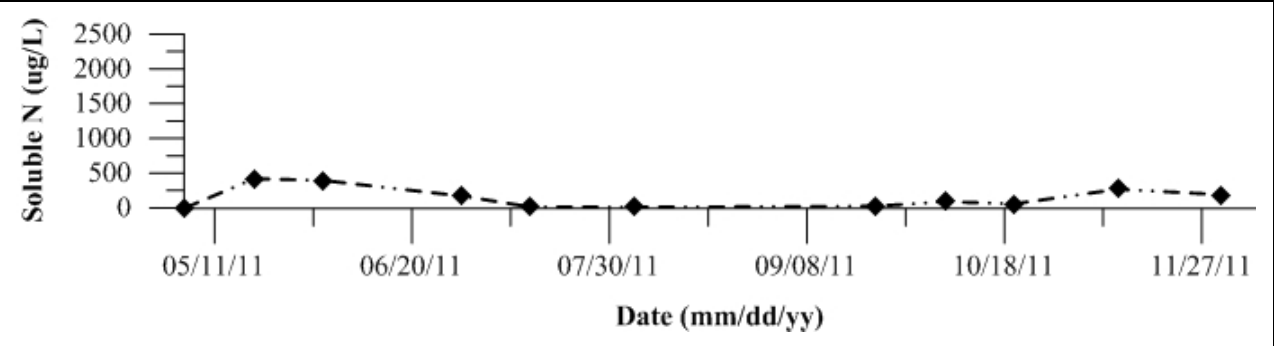


Figure 568: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

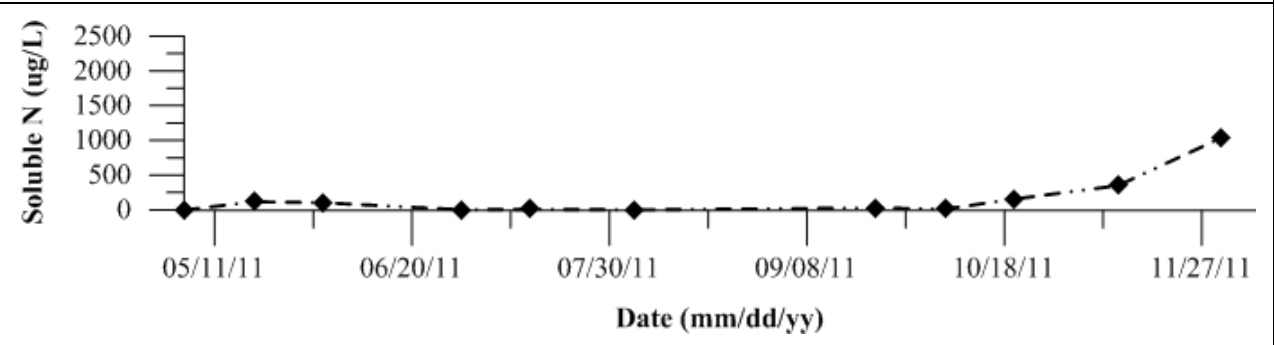


Figure 569: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

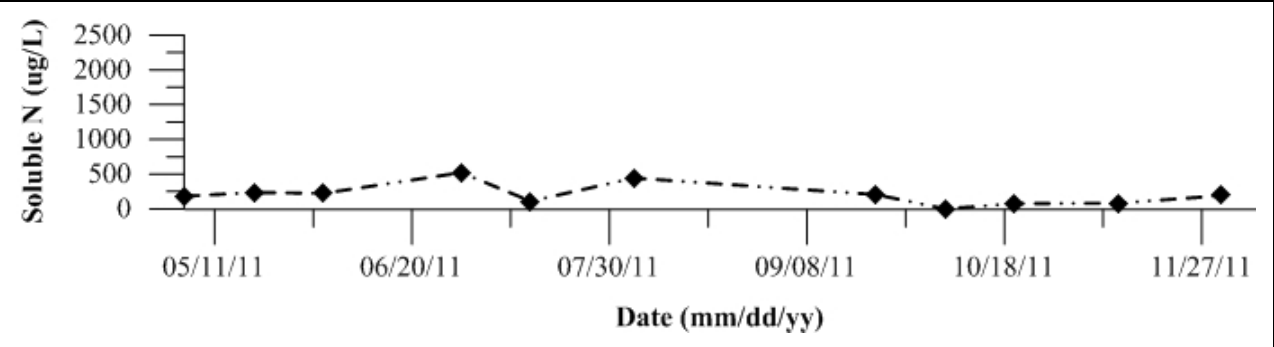


Figure 570: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

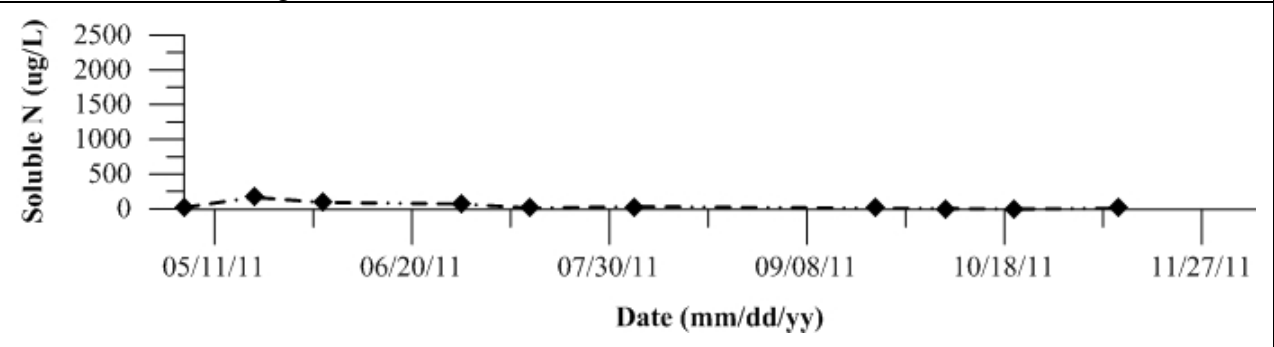


Figure 571: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 424 14mi Slough. Data collected in 2011.

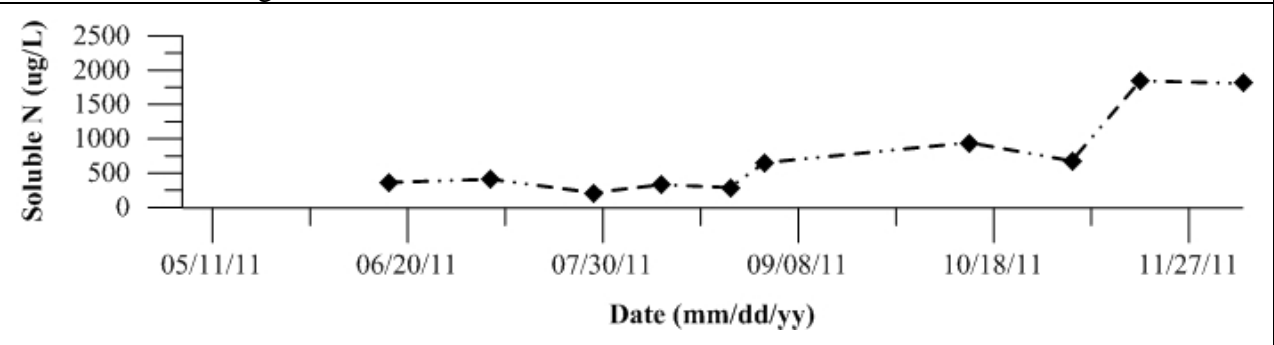


Figure 572: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 425 Turner Cut. Data collected in 2011.

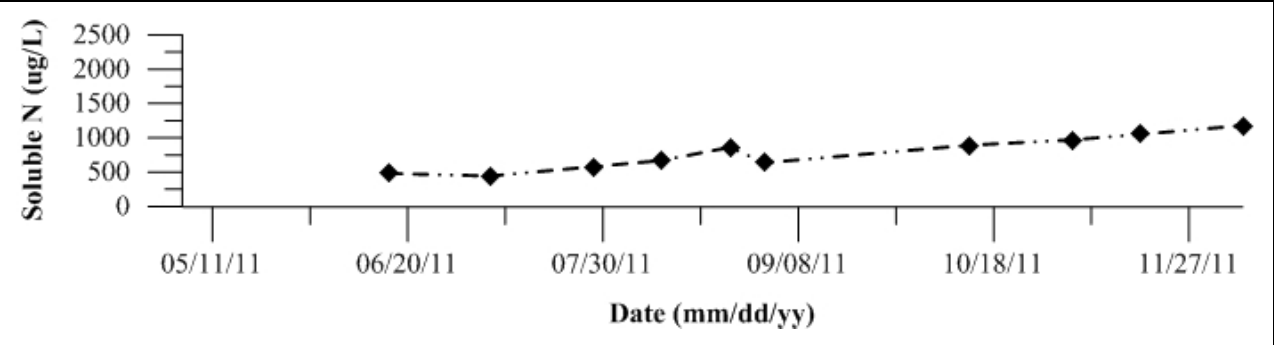


Figure 573: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

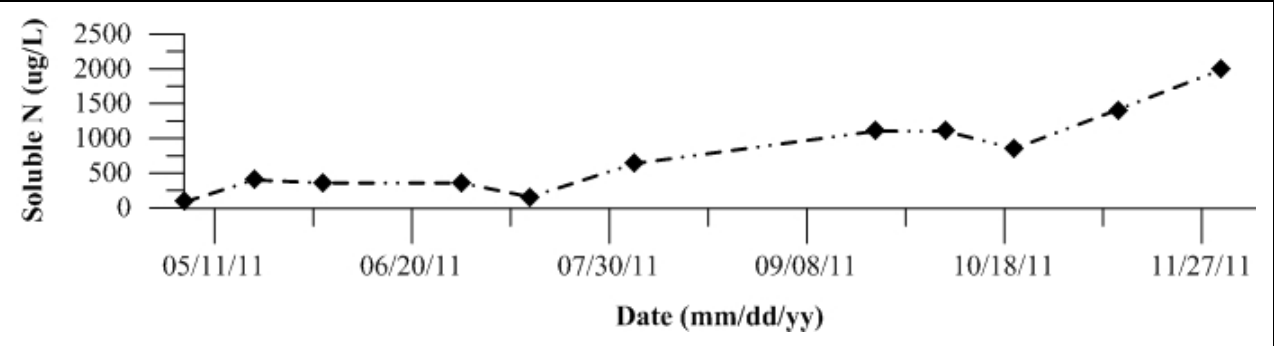


Figure 574: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

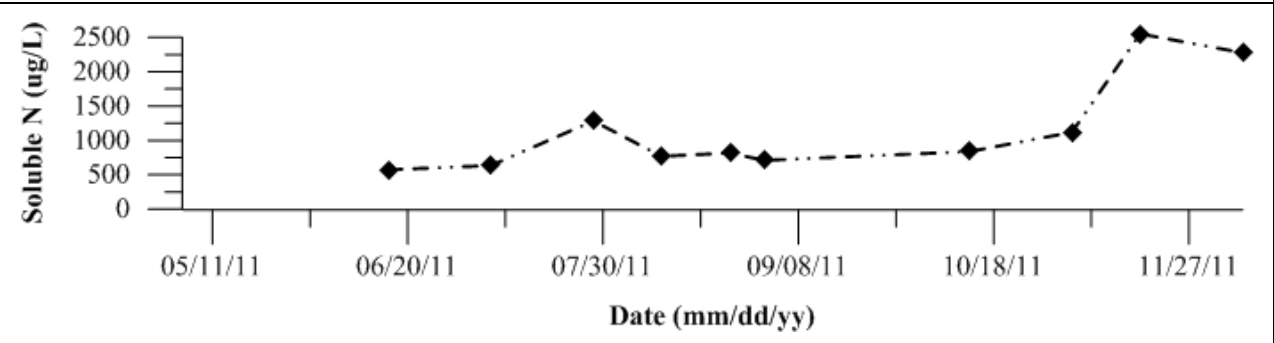


Figure 575: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

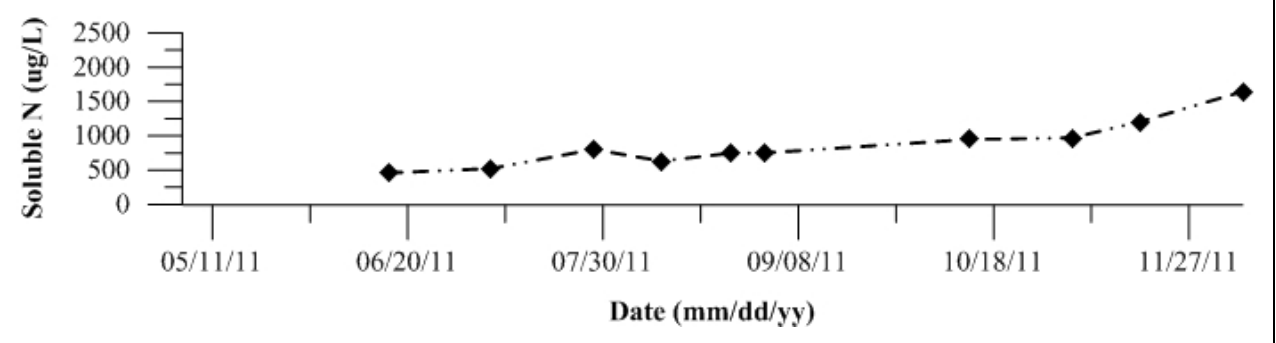
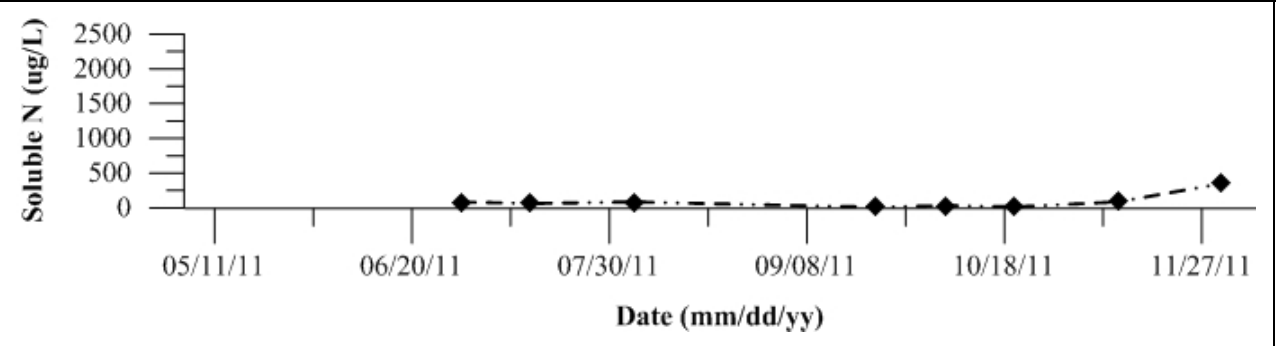


Figure 576: Soluble nitrate-N (Soluble N) as the sum of nitrate (NO₃⁻) and nitrite (NO₂⁻) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 577-608: Temporal plots of ammonia-N by Site ID

Figure 577: Total ammonia for Site 2 SJR at Dos Reis Park. Data collected in 2011.

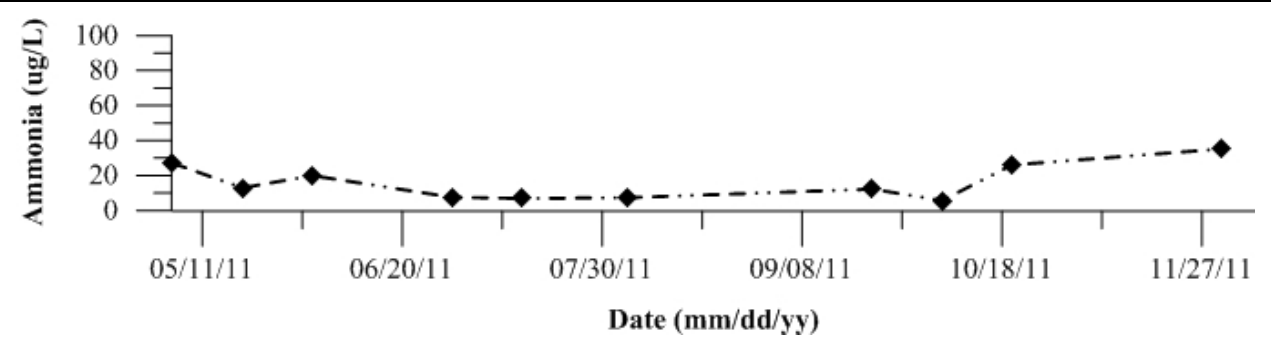


Figure 578: Total ammonia for Site 4 SJR at Mossdale. Data collected in 2011.

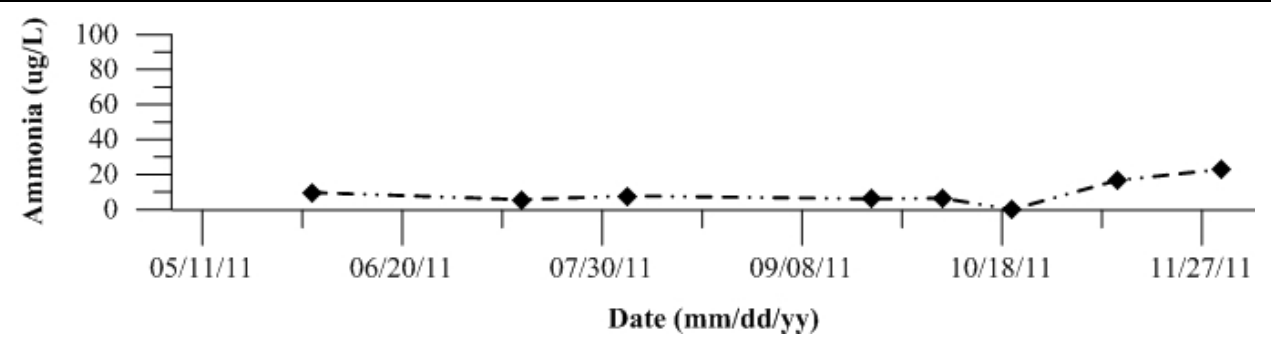


Figure 579: Total ammonia for Site 5 SJR at McCune Station. Data collected in 2011.

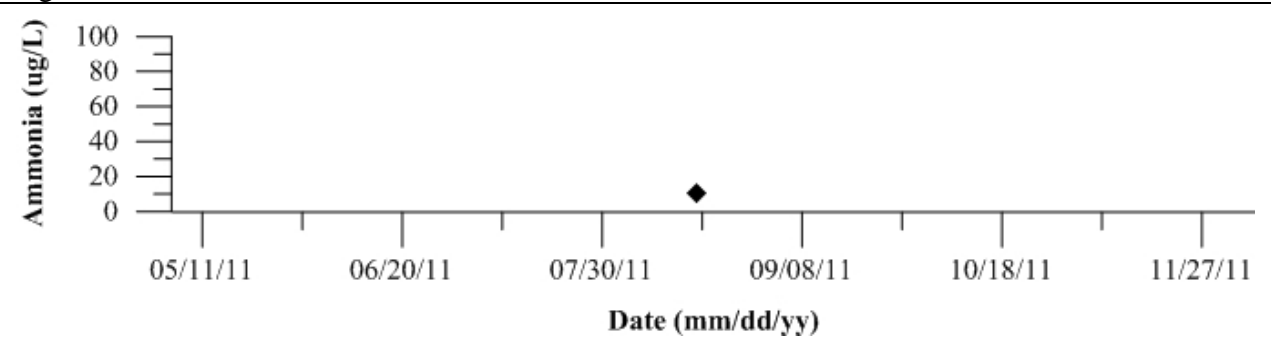


Figure 580: Total ammonia for Site 7 SJR at Patterson. Data collected in 2011.

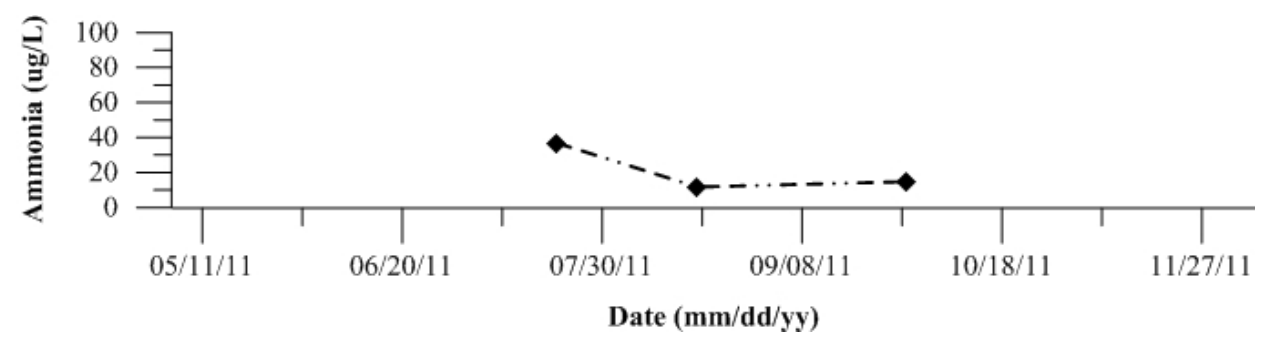


Figure 581: Total ammonia for Site 10 SJR at Lander Avenue. Data collected in 2011.

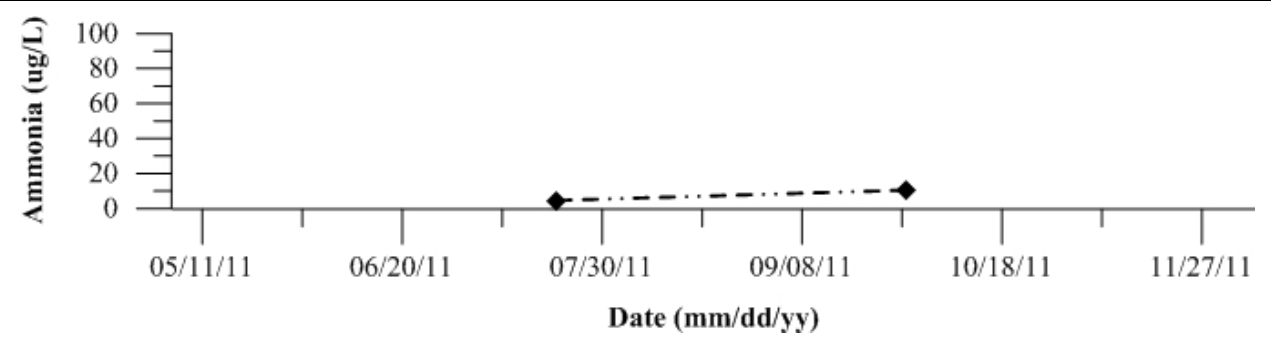


Figure 582: Total ammonia for Site 11 French Camp Slough. Data collected in 2011.

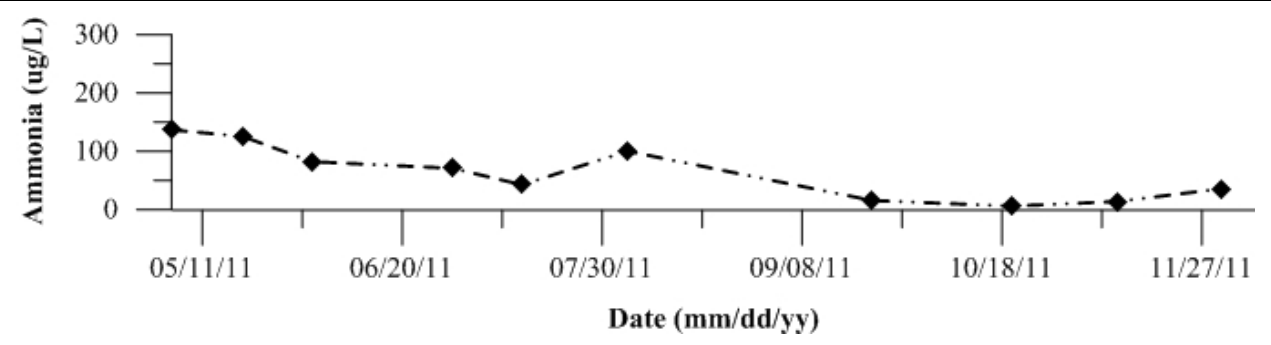


Figure 583: Total ammonia for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

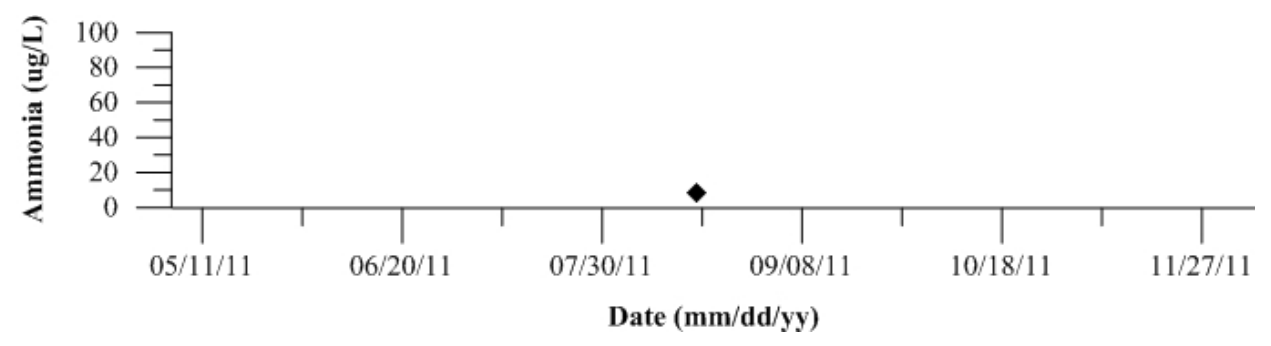


Figure 584: Total ammonia for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

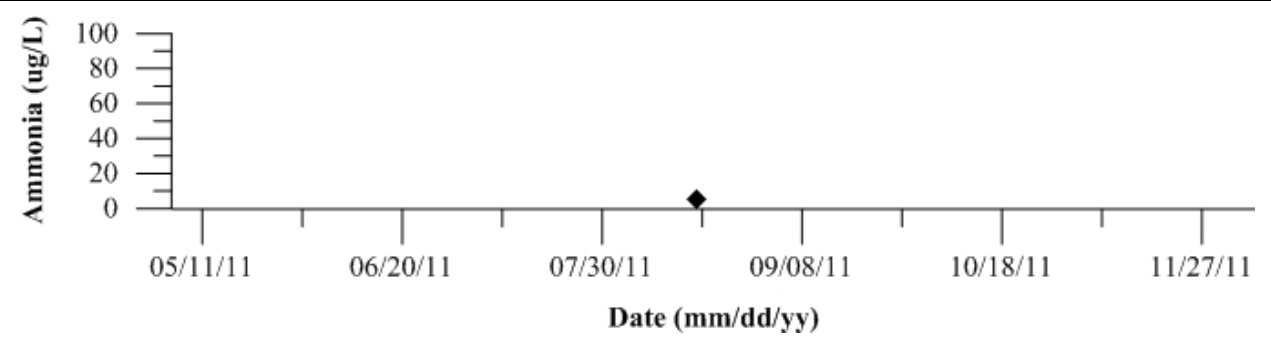


Figure 585: Total ammonia for Site 16 Merced River at River Road. Data collected in 2011.

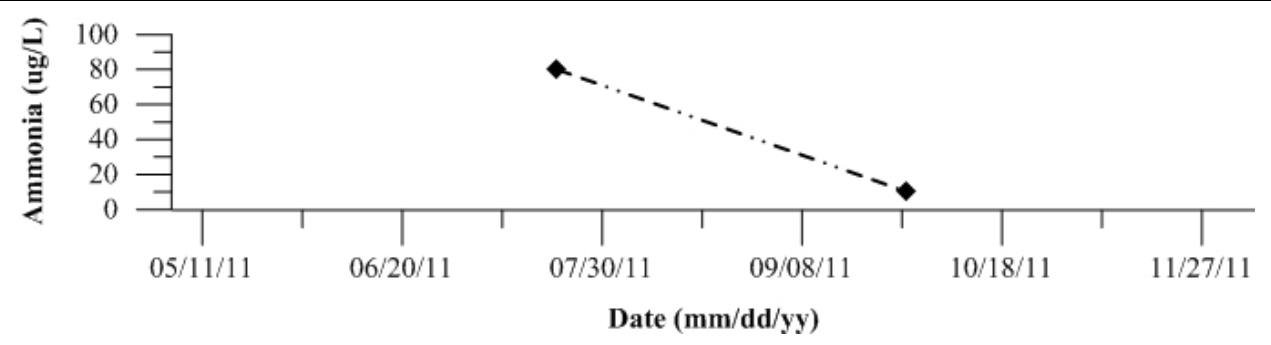


Figure 586: Total ammonia for Site 18 Mud Slough near Gustine. Data collected in 2011.

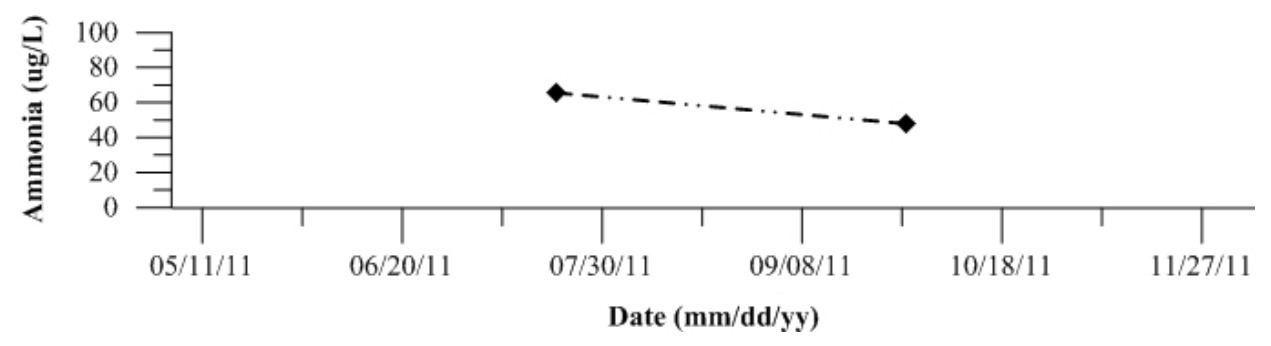


Figure 587: Total ammonia for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

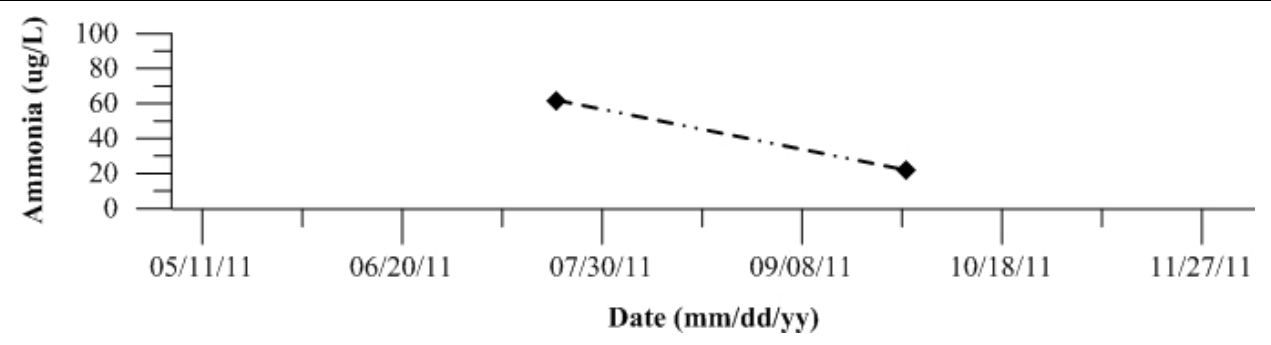


Figure 588: Total ammonia for Site 21 Orestimba Creek at River Road. Data collected in 2011.

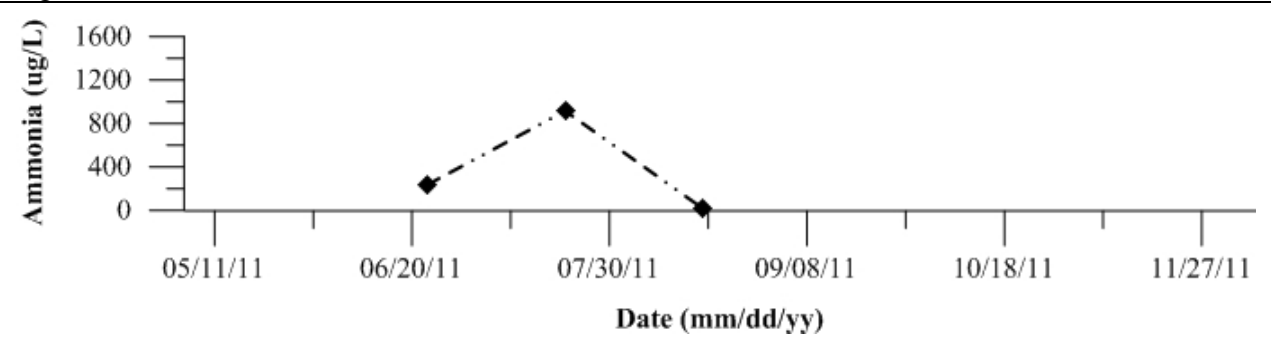


Figure 589: Total ammonia for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

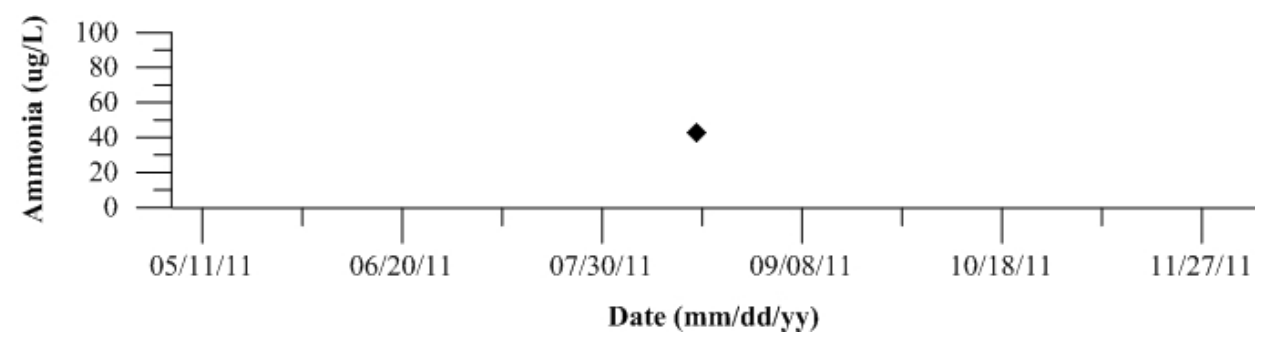


Figure 590: Total ammonia for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

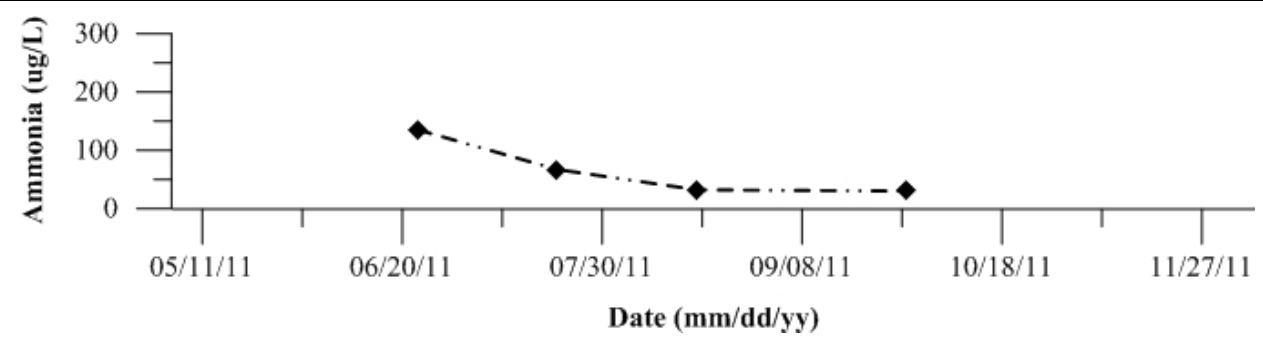


Figure 591: Total ammonia for Site 34 Ingram Creek. Data collected in 2011.

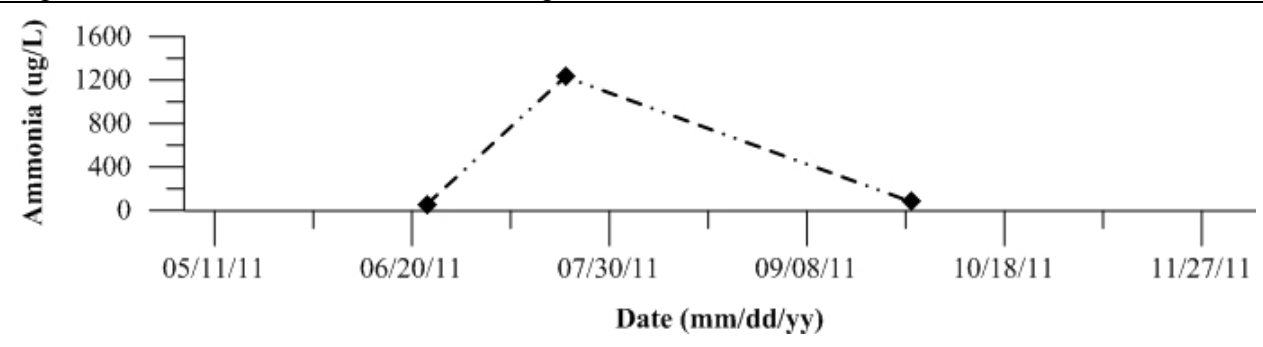


Figure 592: Total ammonia for Site 36 Del Puerto Creek. Data collected in 2011.

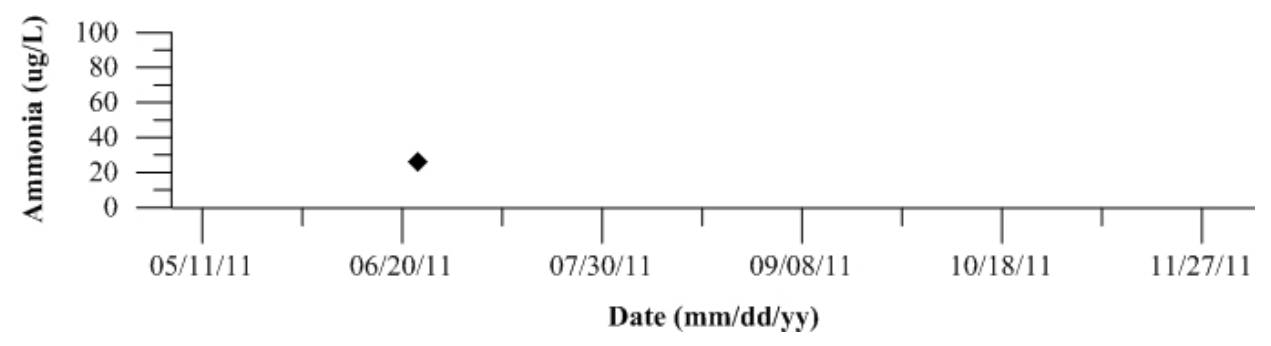


Figure 593: Total ammonia for Site 44 San Luis Drain End. Data collected in 2011.

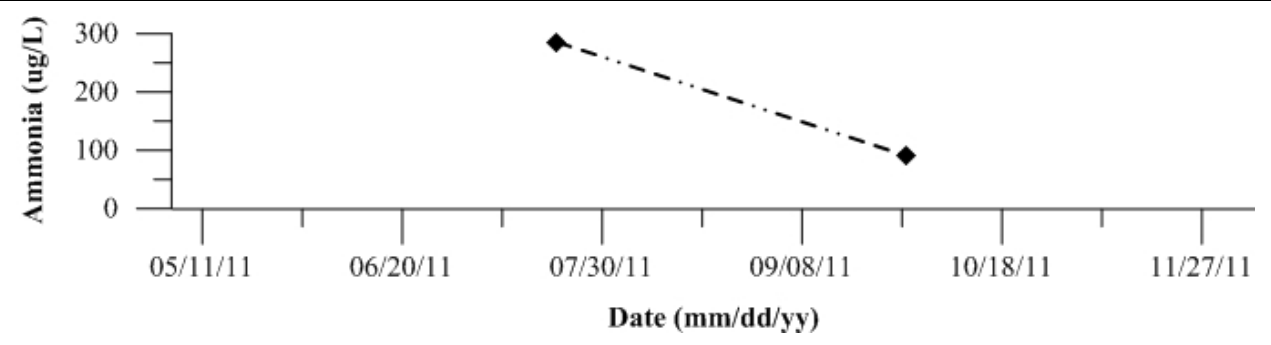


Figure 594: Total ammonia for Site 57 Ramona Lake. Data collected in 2011.

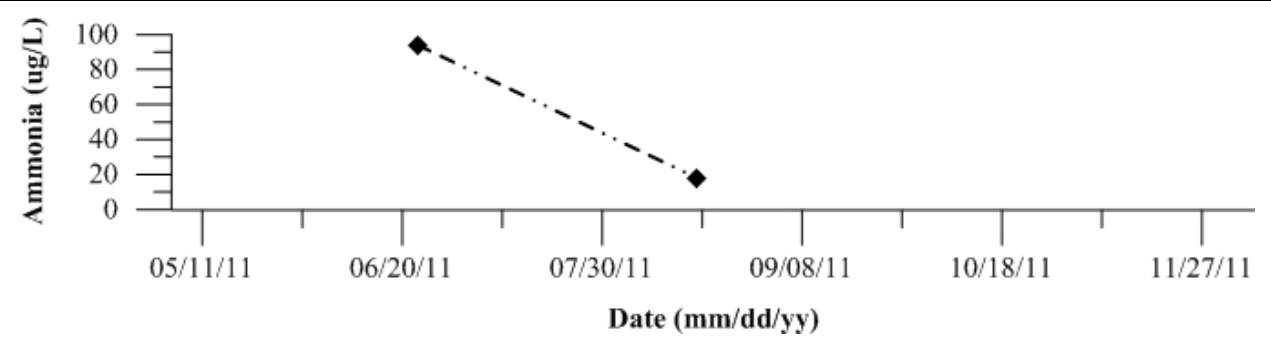


Figure 595: Total ammonia for Site 127 SJR at Brant Bridge. Data collected in 2011.

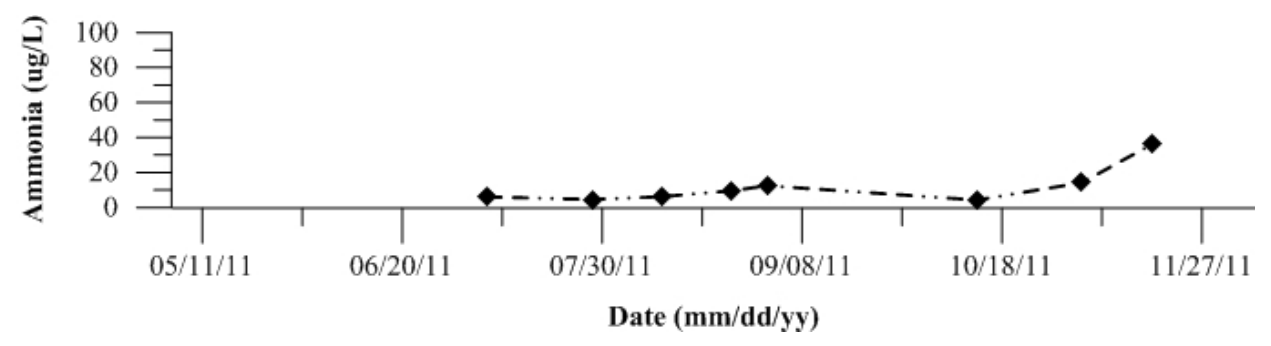


Figure 596: Total ammonia for Site 402 Light 18 (Node 96). Data collected in 2011.

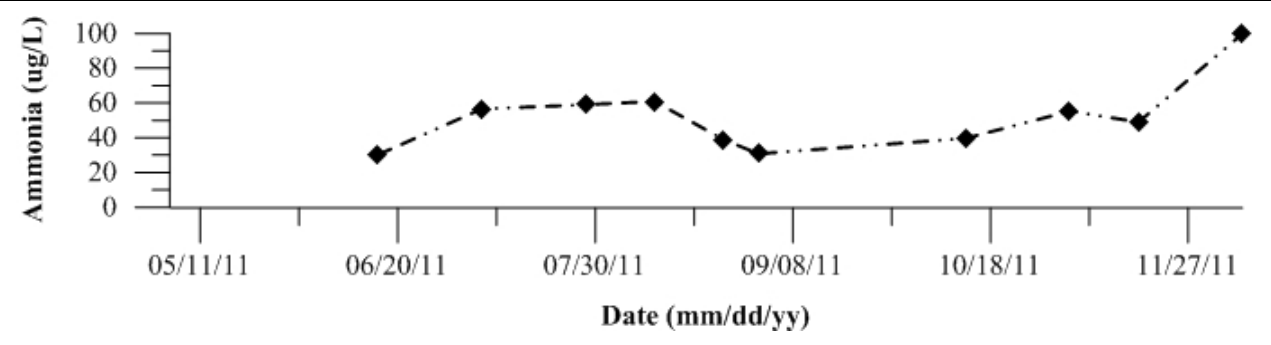


Figure 597: Total ammonia for Site 405 Calaveras River. Data collected in 2011.

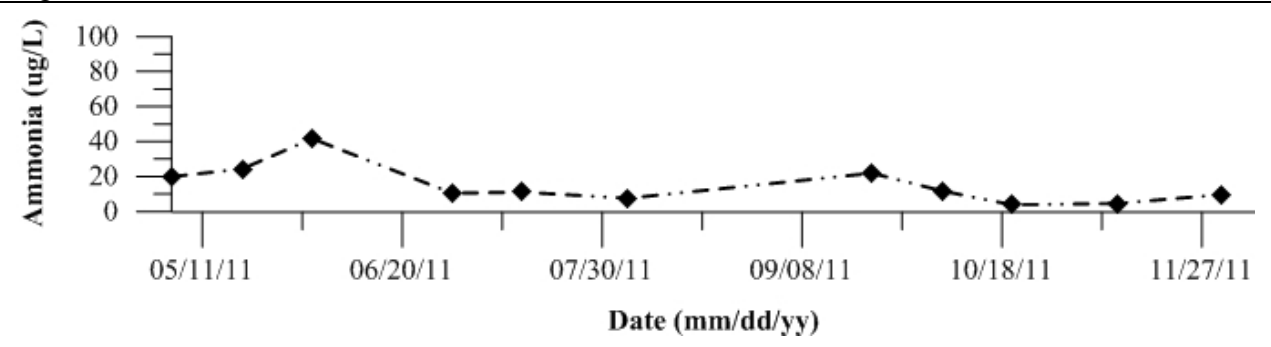


Figure 598: Total ammonia for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

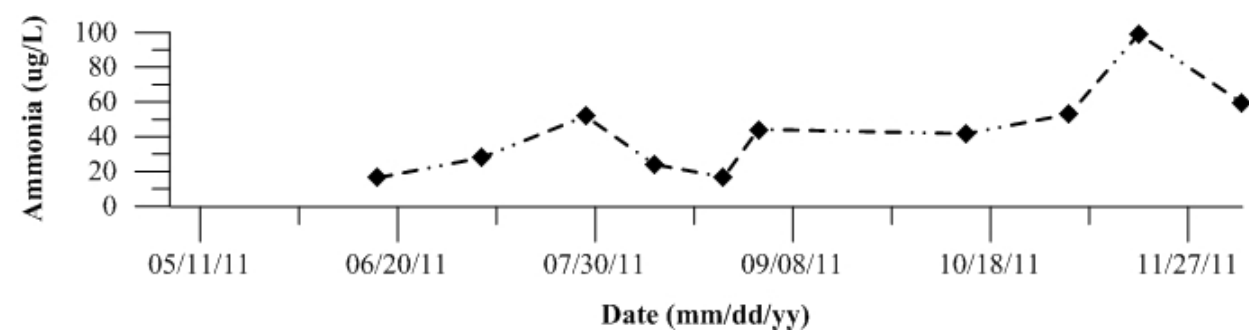


Figure 599: Total ammonia for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

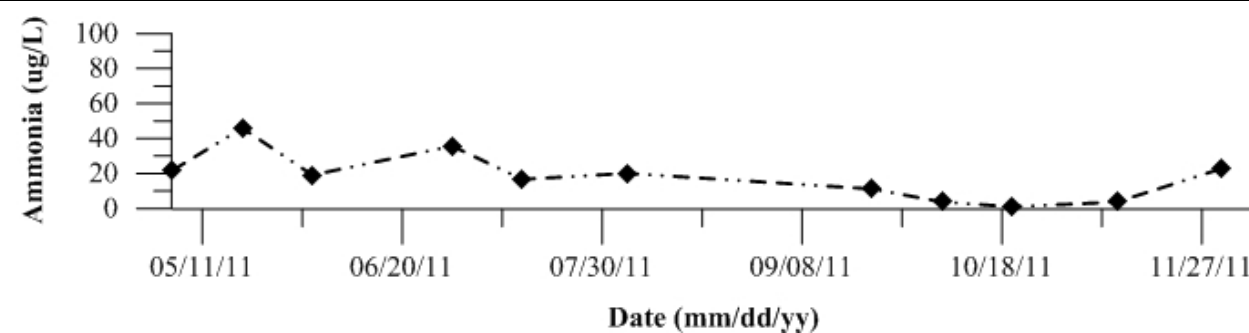


Figure 600: Total ammonia for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

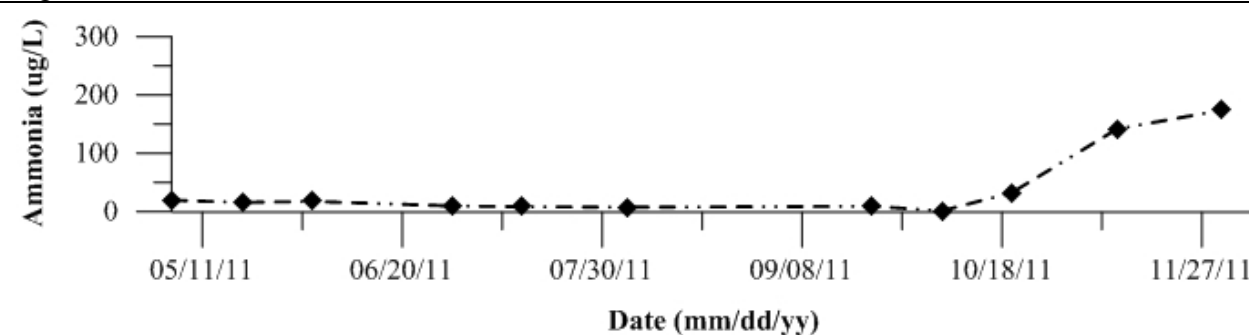


Figure 601: Total ammonia for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

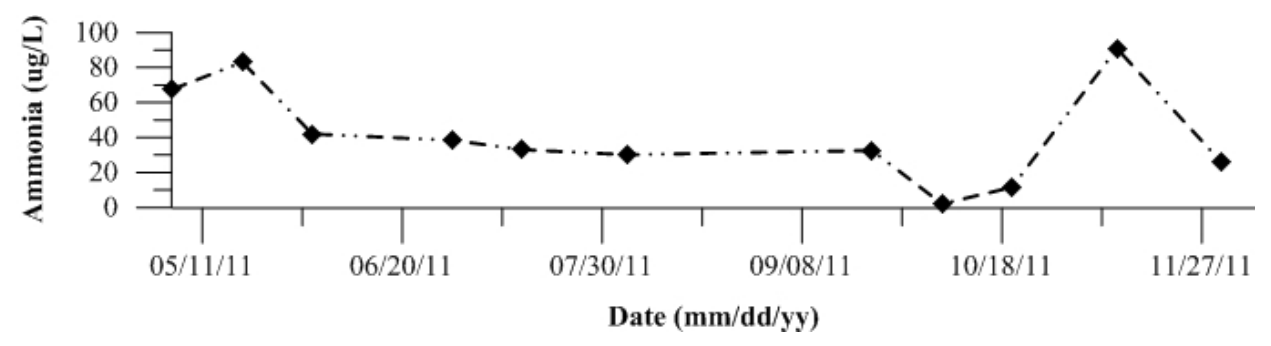


Figure 602: Total ammonia for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

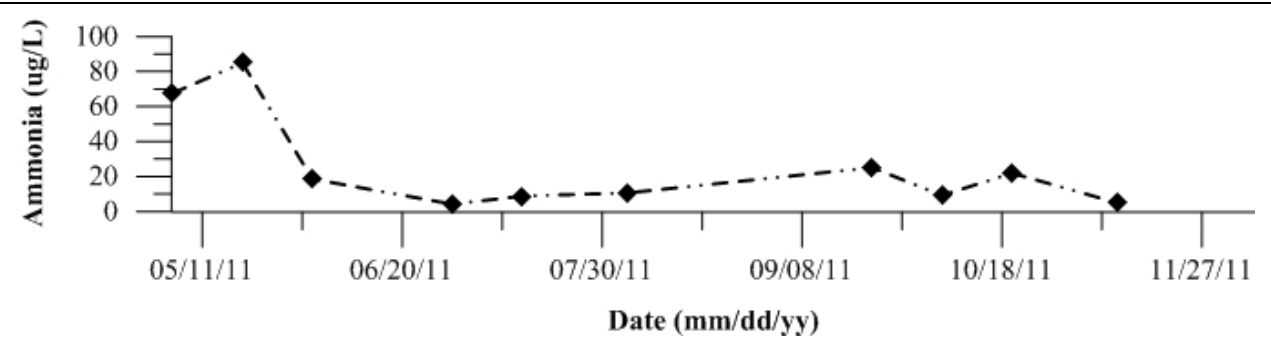


Figure 603: Total ammonia for Site 424 14mi Slough. Data collected in 2011.

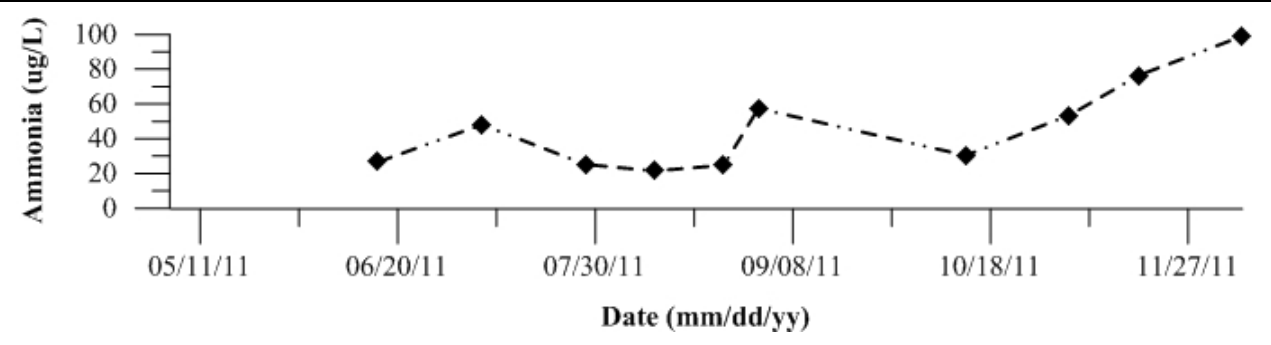


Figure 604: Total ammonia for Site 425 Turner Cut. Data collected in 2011.

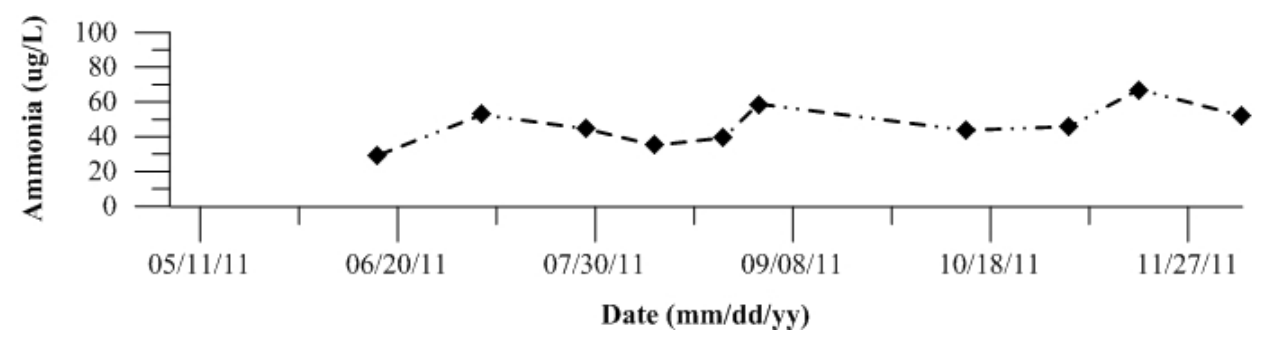


Figure 605: Total ammonia for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

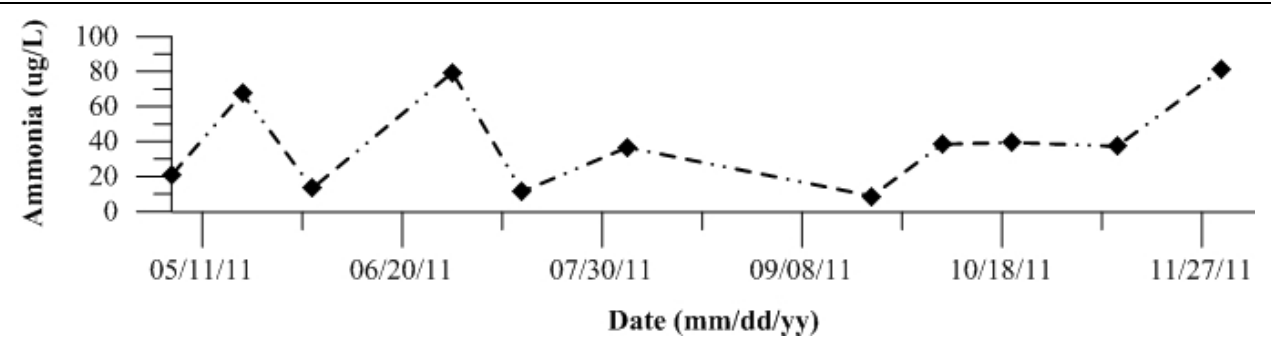


Figure 606: Total ammonia for Site 427 RM 39 Near Louis Park. Data collected in 2011.

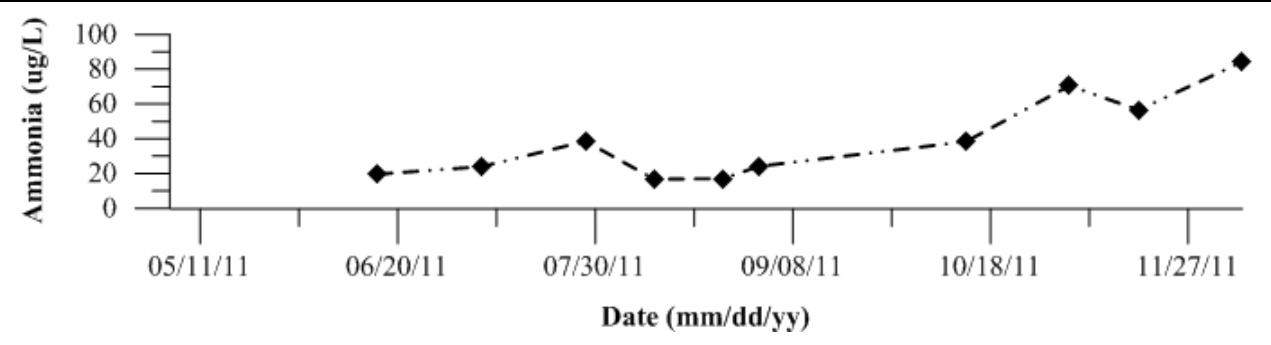


Figure 607: Total ammonia for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

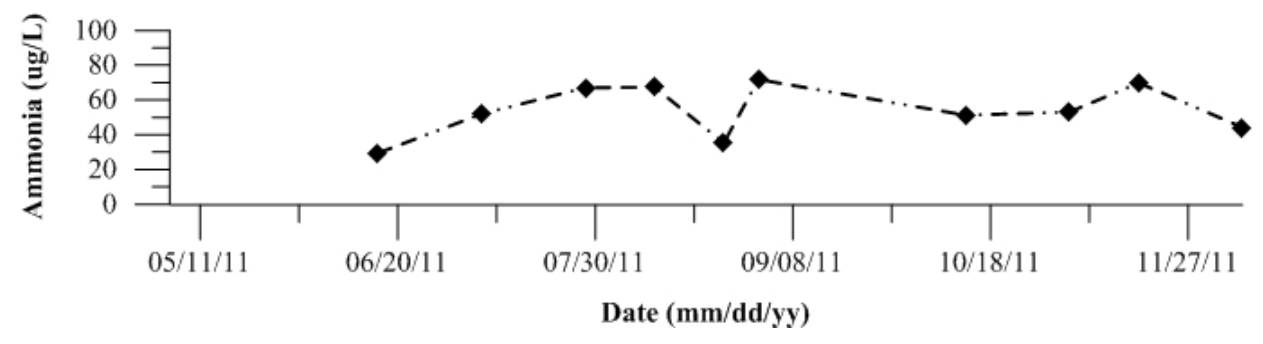
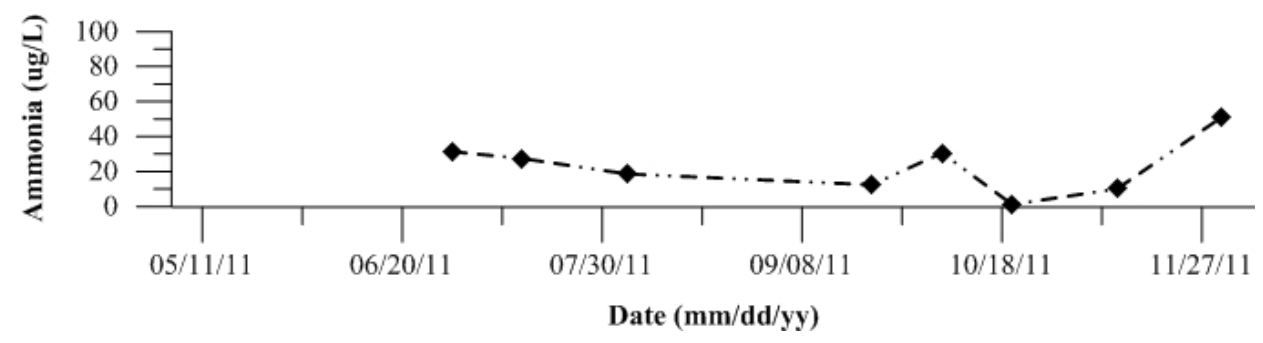


Figure 608: Total ammonia for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 609-640: Temporal plots of total nitrogen by Site ID

Figure 609: Total nitrogen for Site 2 SJR at Dos Reis Park. Data collected in 2011.

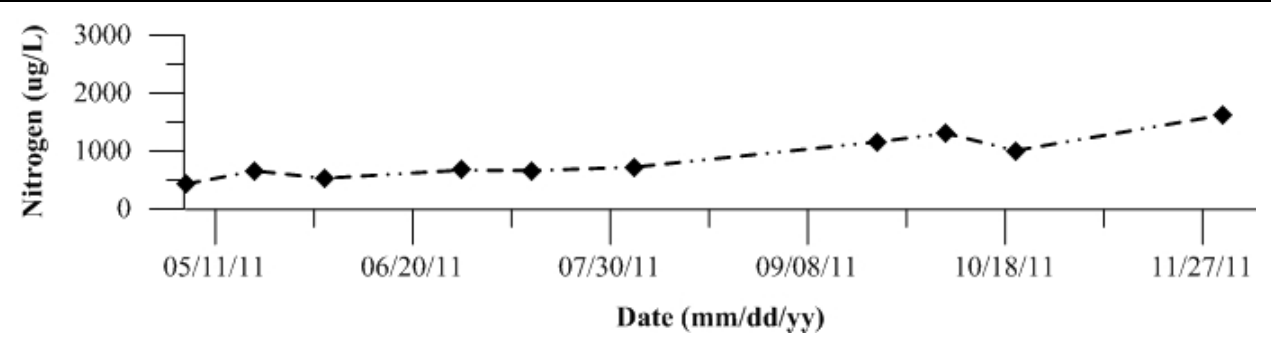


Figure 610: Total nitrogen for Site 4 SJR at Mossdale. Data collected in 2011.

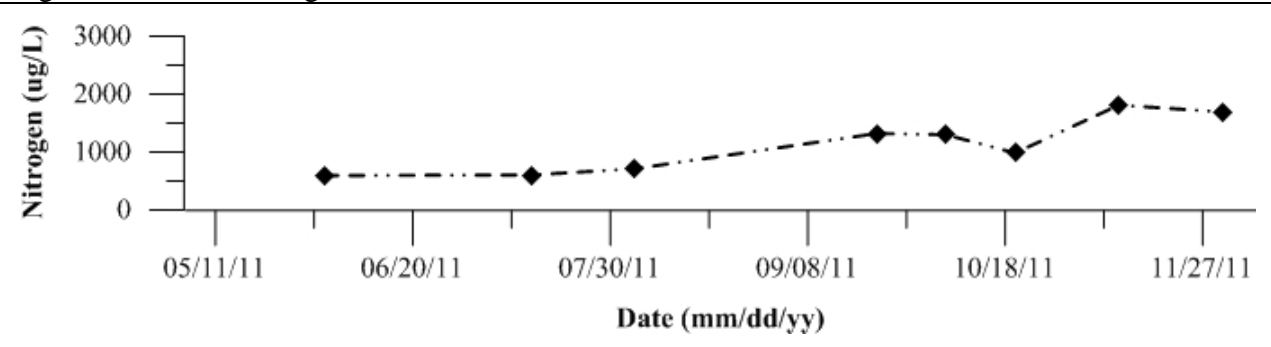


Figure 611: Total nitrogen for Site 5 SJR at McCune Station. Data collected in 2011.

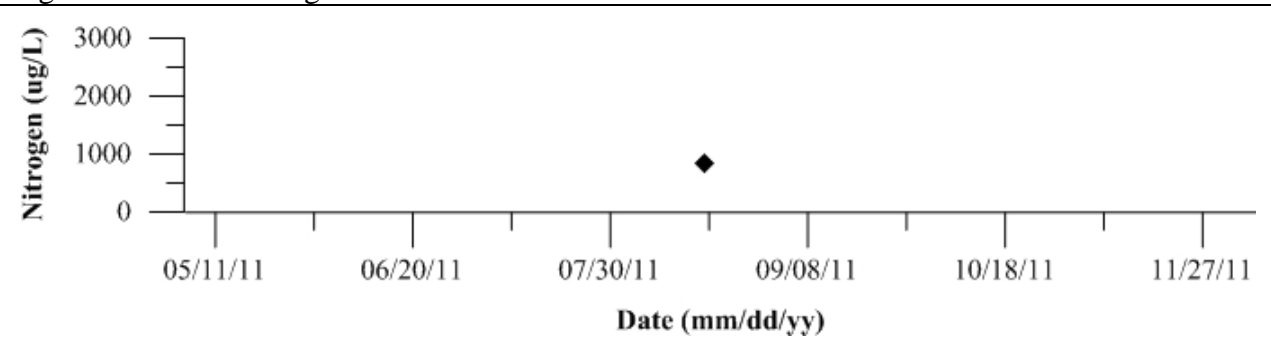


Figure 612: Total nitrogen for Site 7 SJR at Patterson. Data collected in 2011.

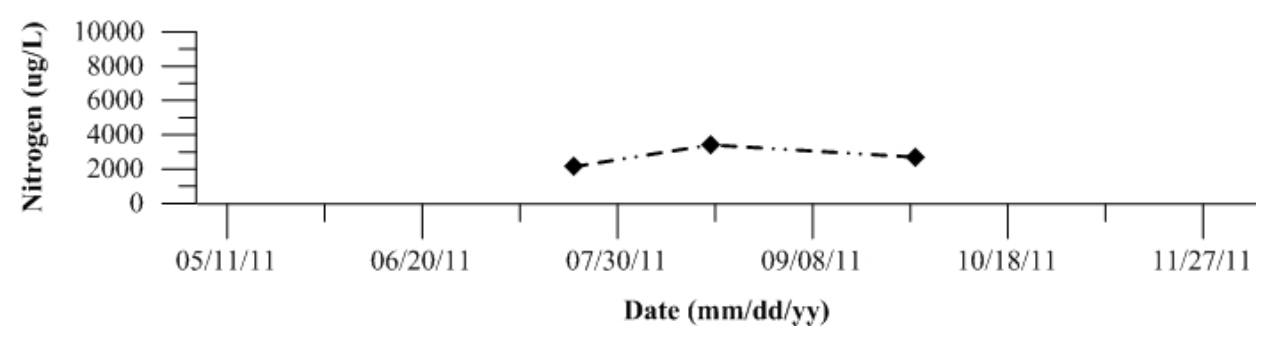


Figure 613: Total nitrogen for Site 10 SJR at Lander Avenue. Data collected in 2011.

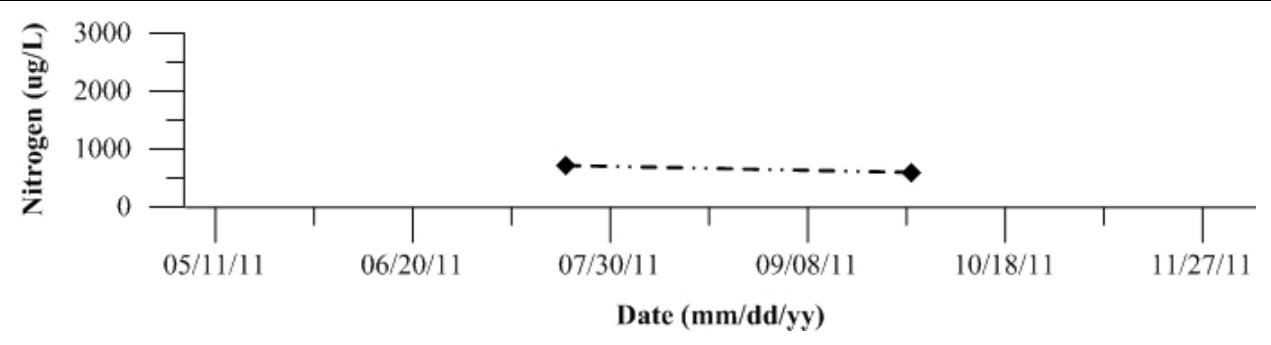


Figure 614: Total nitrogen for Site 11 French Camp Slough. Data collected in 2011.

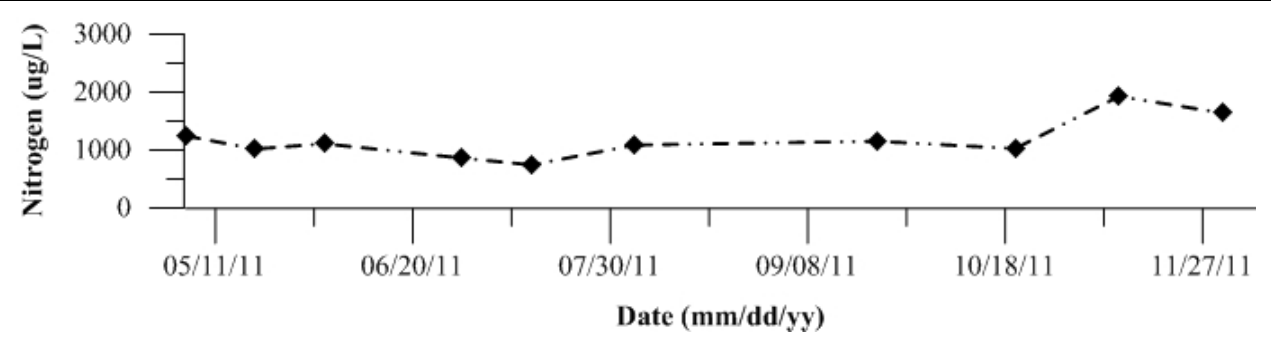


Figure 615: Total nitrogen for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

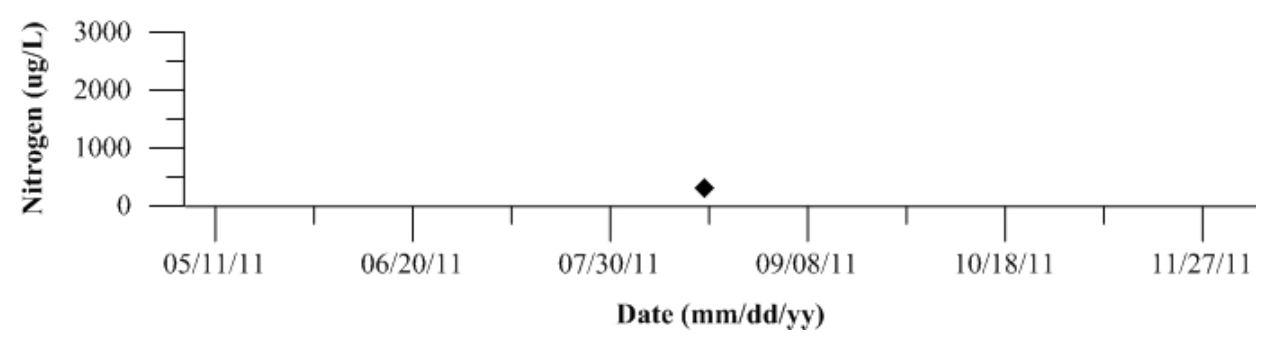


Figure 616: Total nitrogen for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

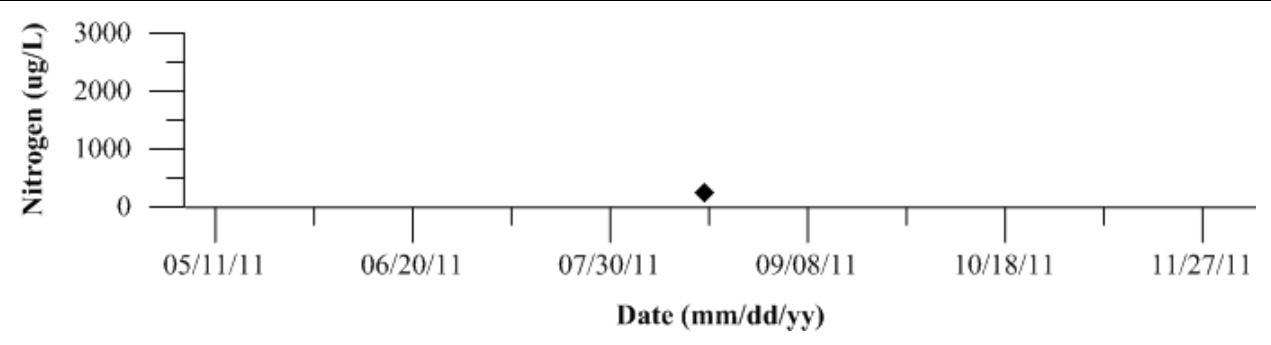


Figure 617: Total nitrogen for Site 16 Merced River at River Road. Data collected in 2011.

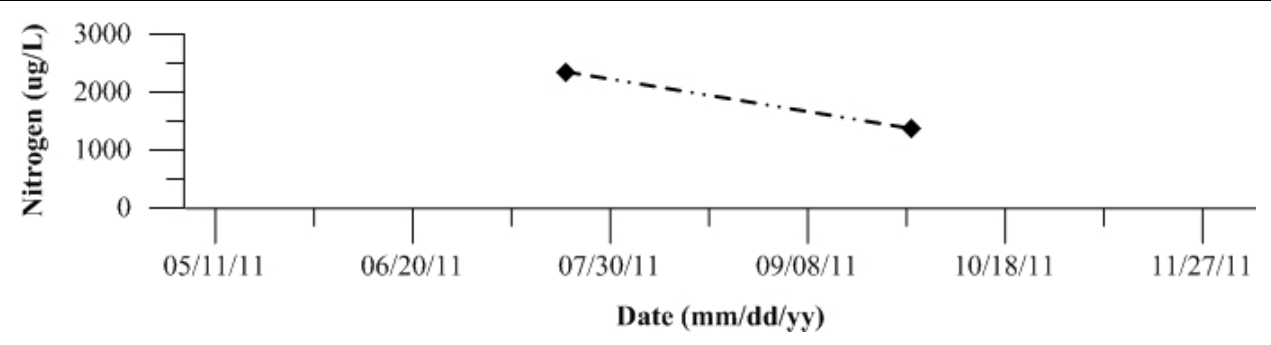


Figure 618: Total nitrogen for Site 18 Mud Slough near Gustine. Data collected in 2011.

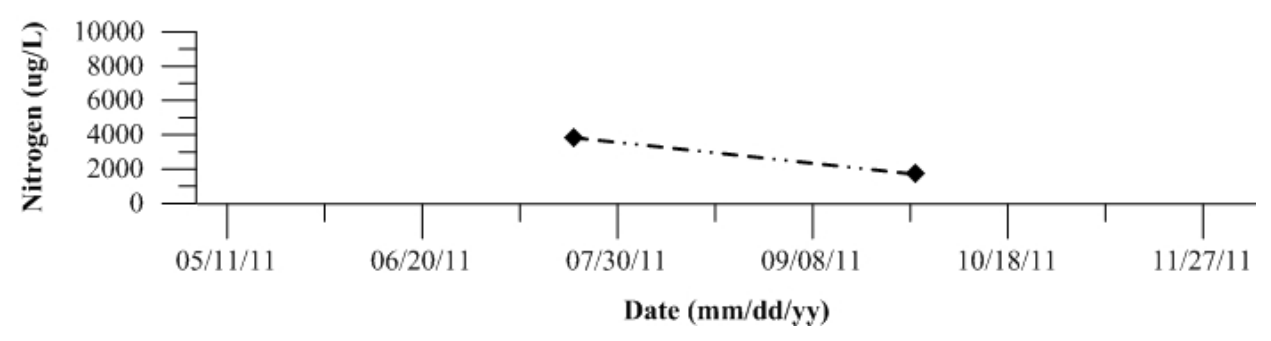


Figure 619: Total nitrogen for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

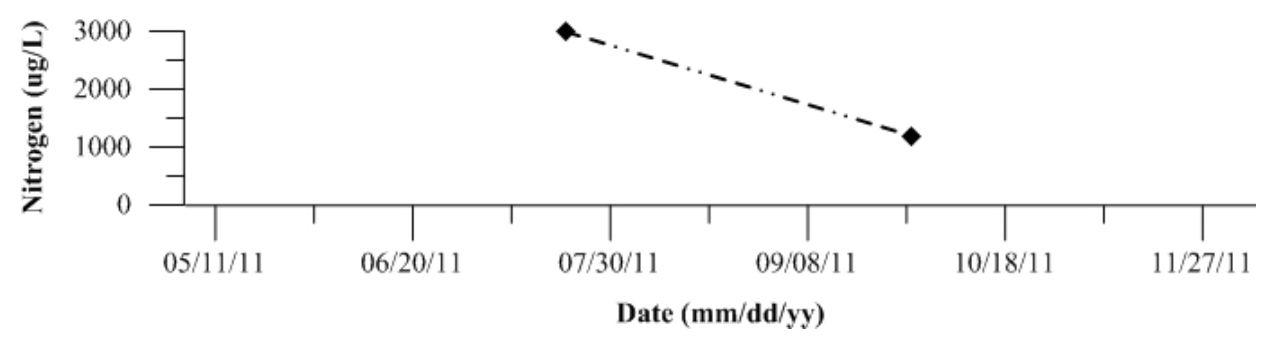


Figure 620: Total nitrogen for Site 21 Orestimba Creek at River Road. Data collected in 2011.

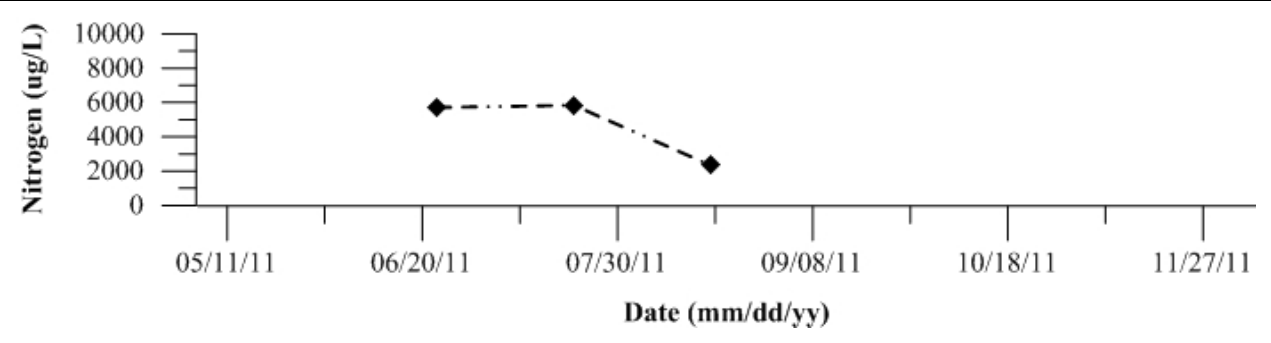


Figure 621: Total nitrogen for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

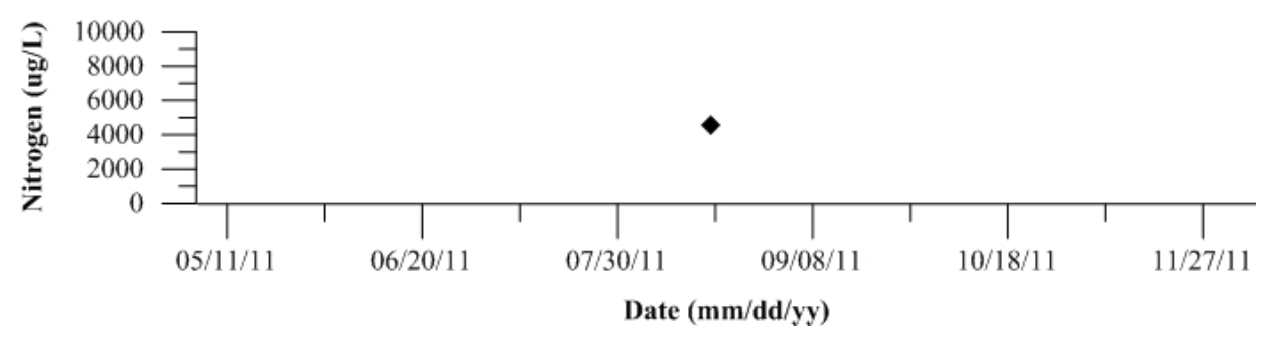


Figure 622: Total nitrogen for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

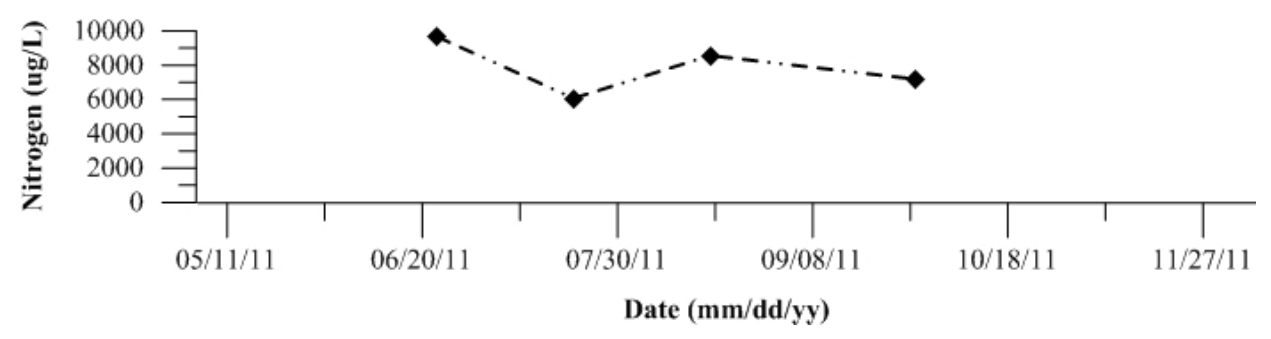


Figure 623: Total nitrogen for Site 34 Ingram Creek. Data collected in 2011.

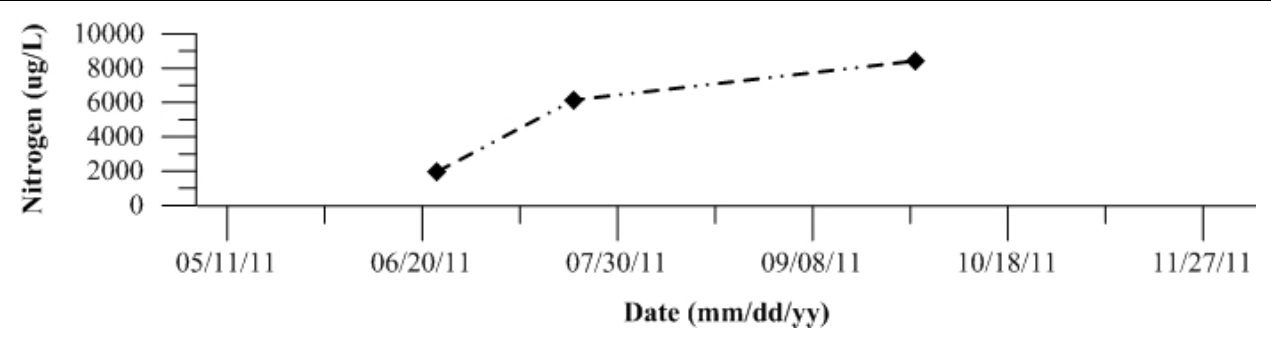


Figure 624: Total nitrogen for Site 36 Del Puerto Creek. Data collected in 2011.

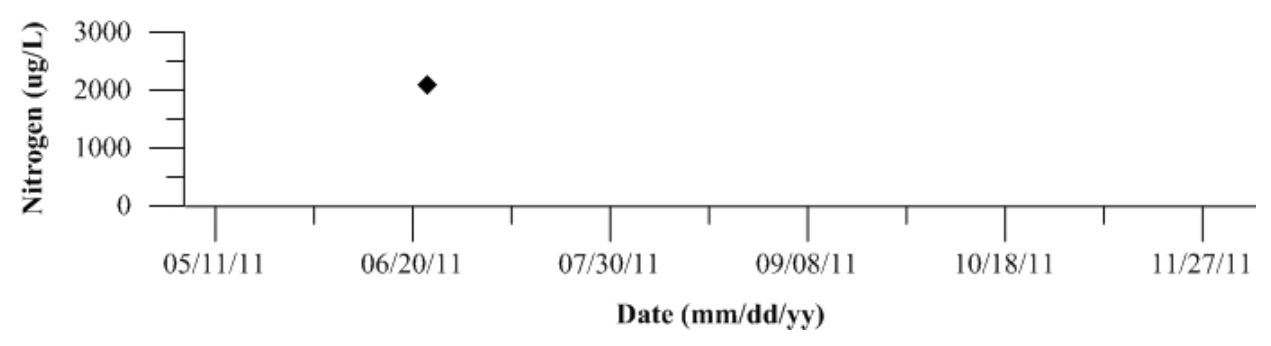


Figure 625: Total nitrogen for Site 44 San Luis Drain End. Data collected in 2011.

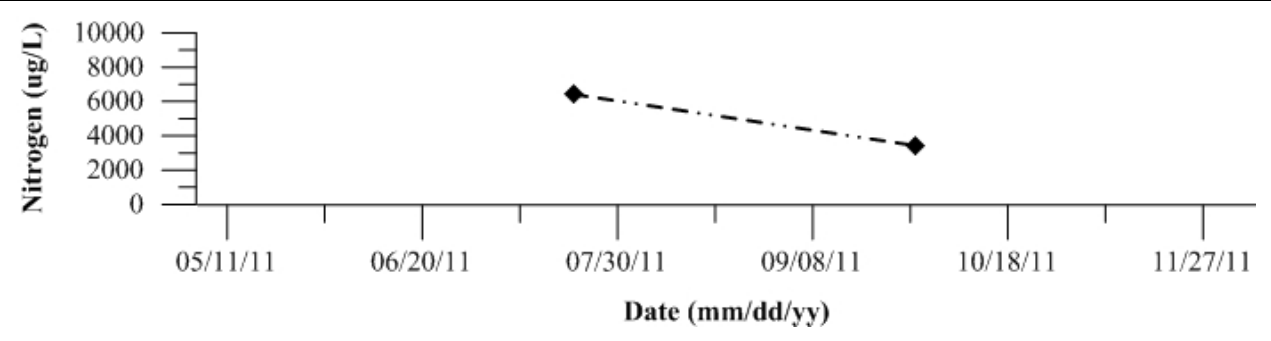


Figure 626: Total nitrogen for Site 57 Ramona Lake. Data collected in 2011.

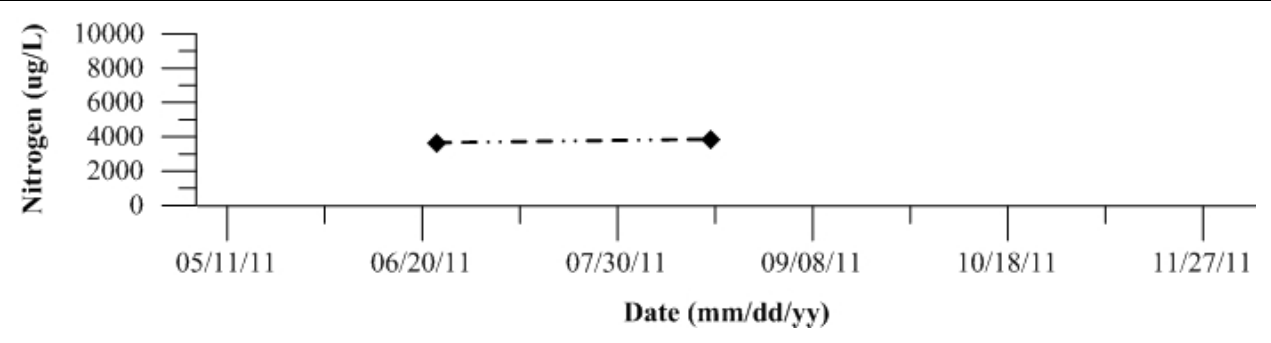


Figure 627: Total nitrogen for Site 127 SJR at Brant Bridge. Data collected in 2011.

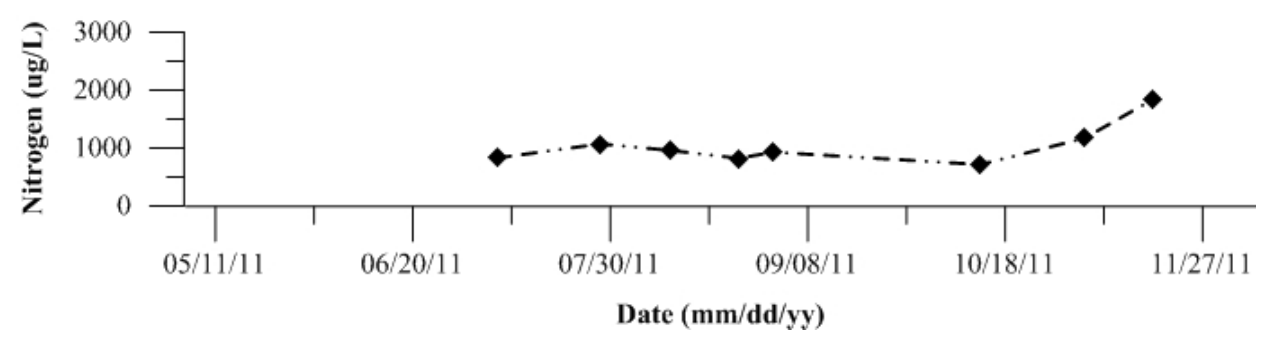


Figure 628: Total nitrogen for Site 402 Light 18 (Node 96). Data collected in 2011.

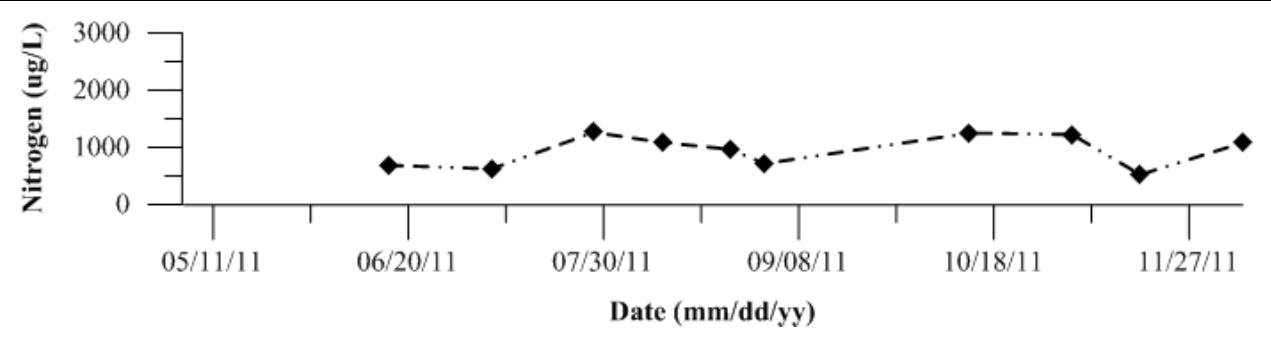


Figure 629: Total nitrogen for Site 405 Calaveras River. Data collected in 2011.

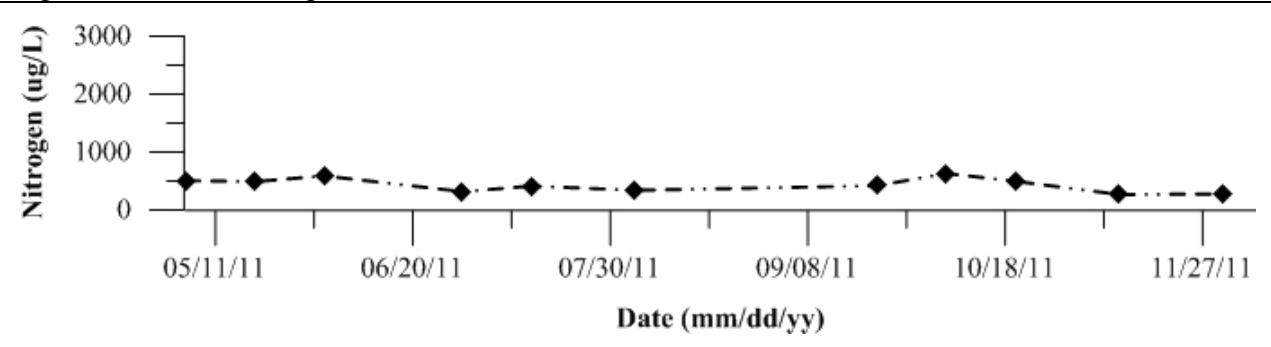


Figure 630: Total nitrogen for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

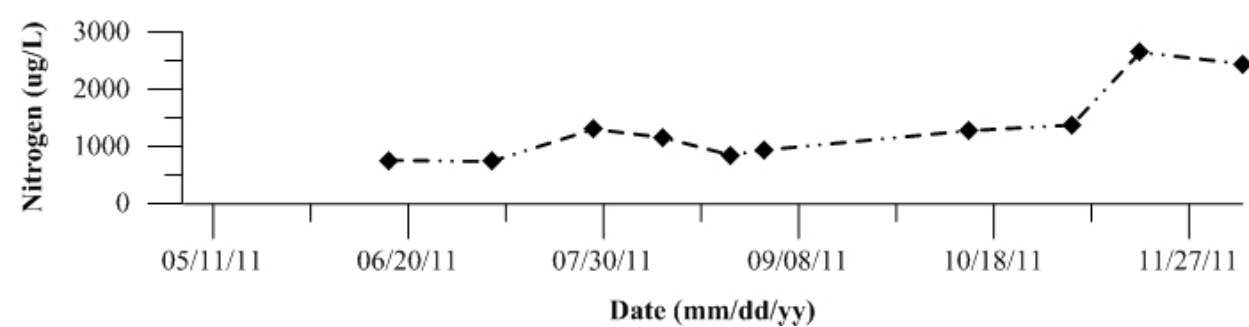


Figure 631: Total nitrogen for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

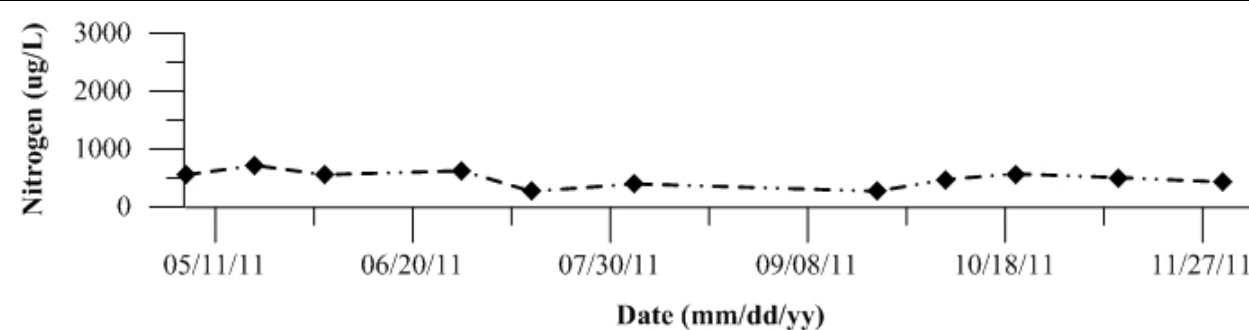


Figure 632: Total nitrogen for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

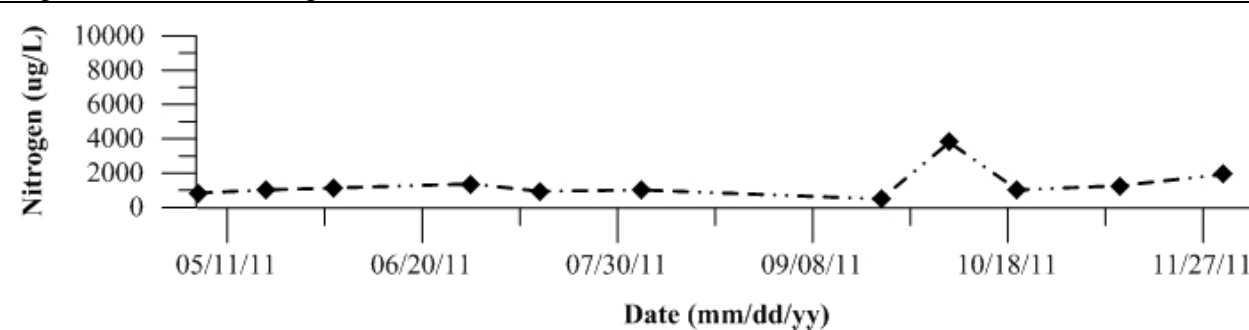


Figure 633: Total nitrogen for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

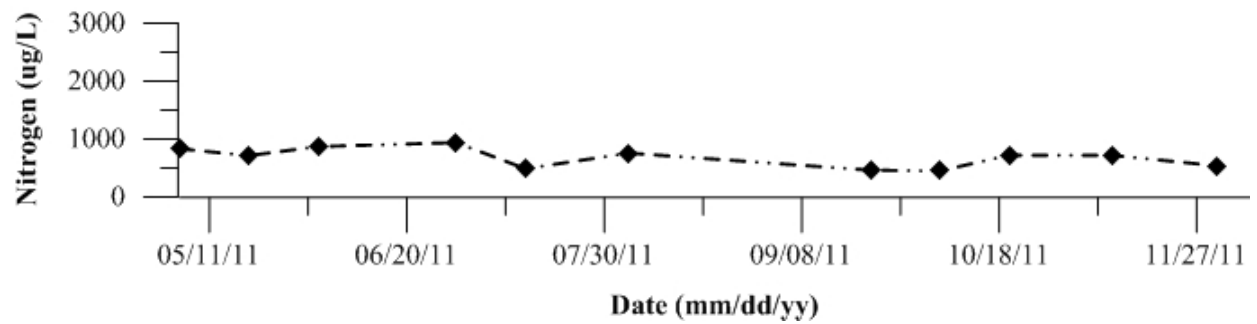


Figure 634: Total nitrogen for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

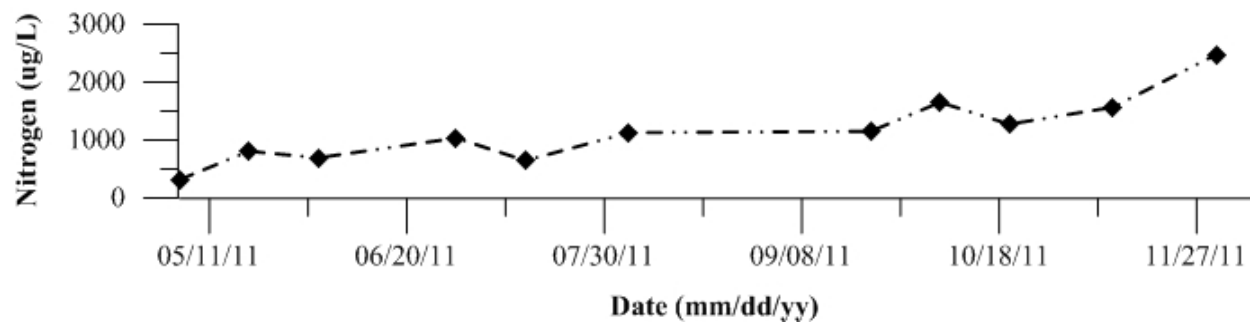


Figure 635: Total nitrogen for Site 424 14mi Slough. Data collected in 2011.

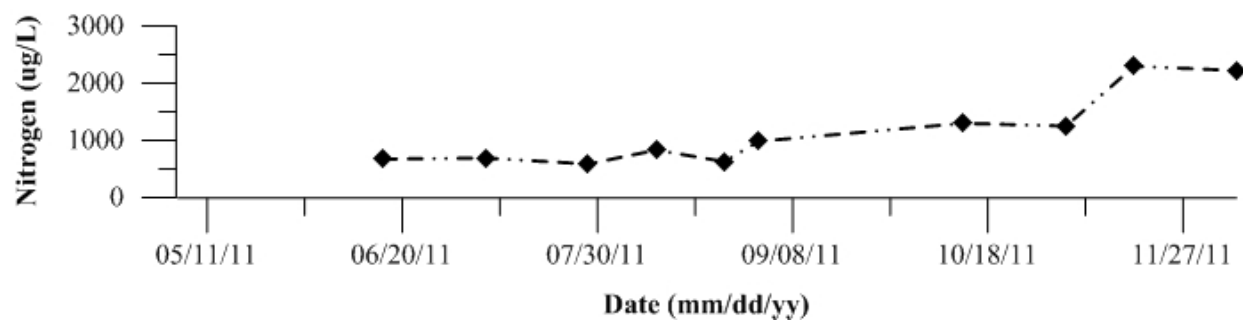


Figure 636: Total nitrogen for Site 425 Turner Cut. Data collected in 2011.

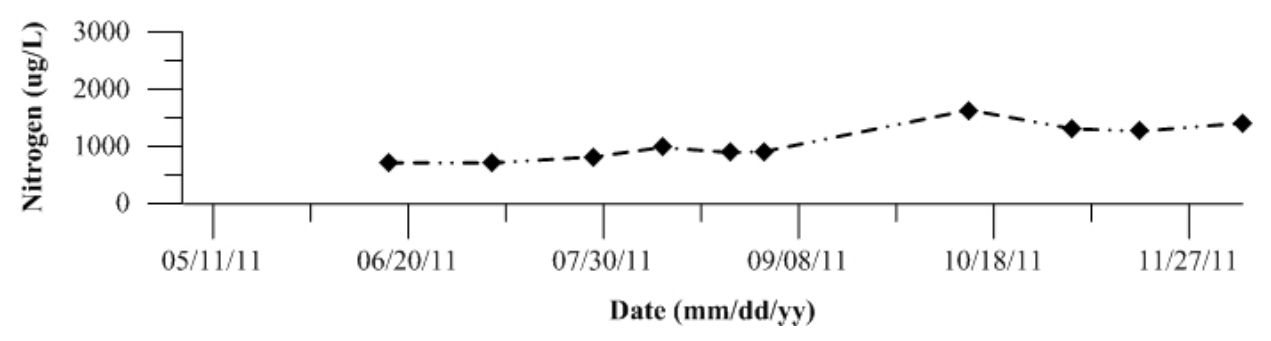


Figure 637: Total nitrogen for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

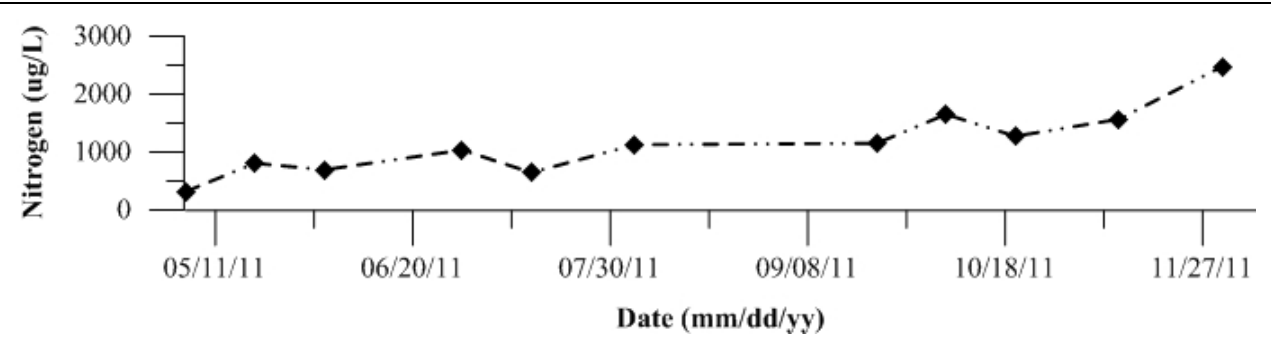


Figure 638: Total nitrogen for Site 427 RM 39 Near Louis Park. Data collected in 2011.

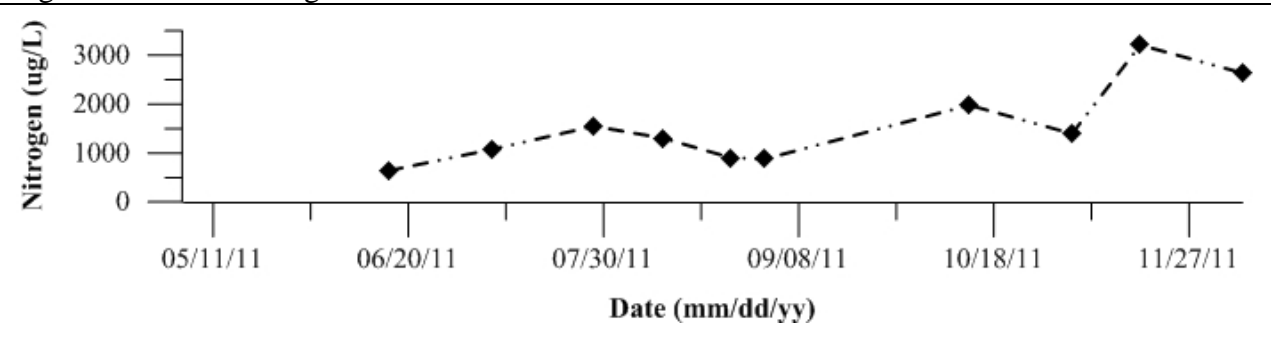


Figure 639: Total nitrogen for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

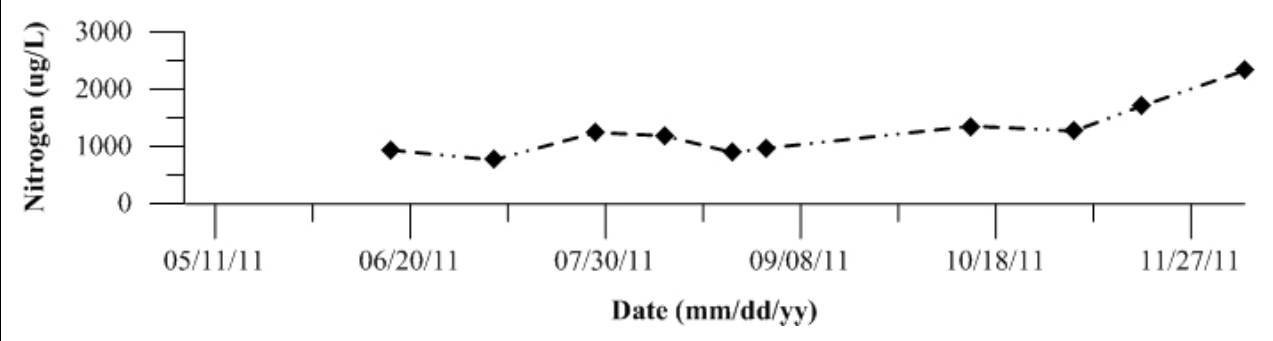
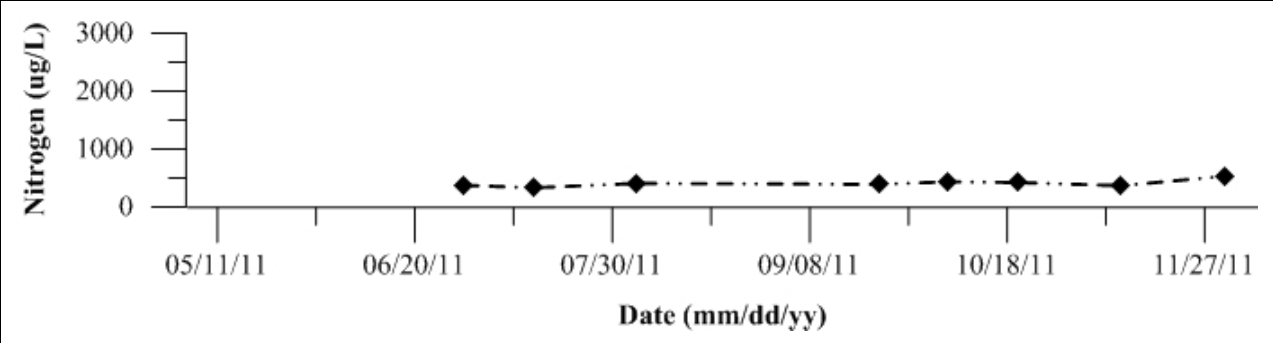


Figure 640: Total nitrogen for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 641-672: Temporal plots of dissolved phosphate as filtered in the lab by Site ID

Figure 641: Dissolved phosphate as filtered in the lab for Site 2 SJR at Dos Reis Park. Data collected in 2011.

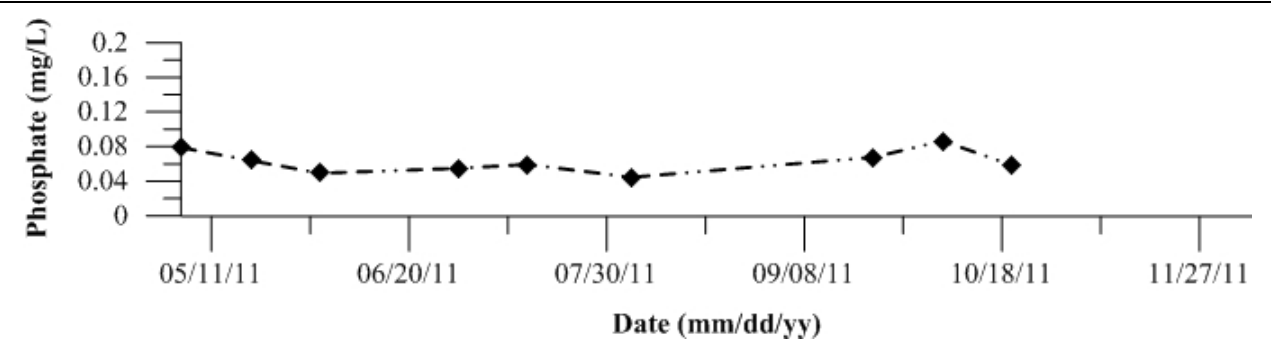


Figure 642: Dissolved phosphate as filtered in the lab for Site 4 SJR at Mossdale. Data collected in 2011.

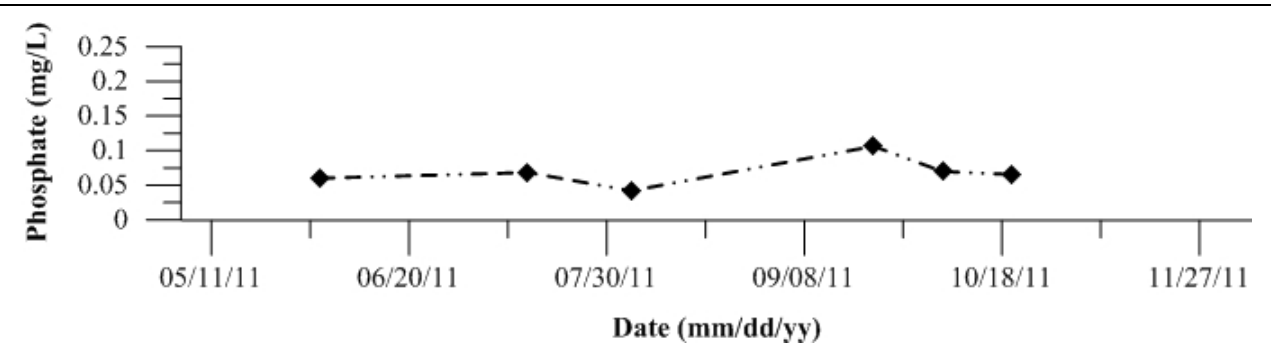


Figure 643: Dissolved phosphate as filtered in the lab for Site 5 SJR at McCune Station. Data collected in 2011.

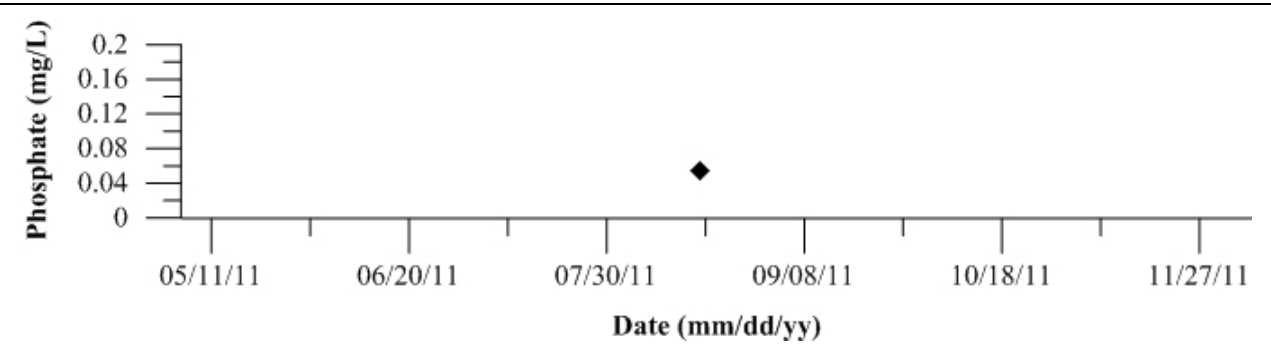


Figure 644: Dissolved phosphate as filtered in the lab for Site 7 SJR at Patterson. Data collected in 2011.

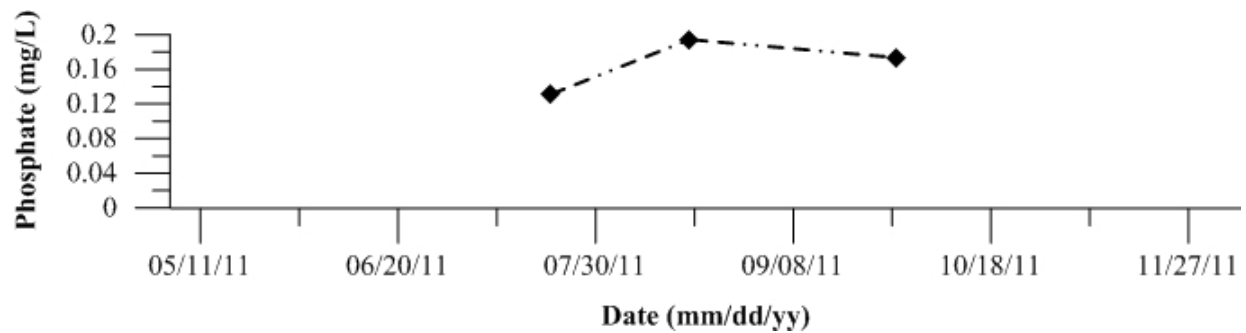


Figure 645: Dissolved phosphate as filtered in the lab for Site 10 SJR at Lander Avenue. Data collected in 2011.

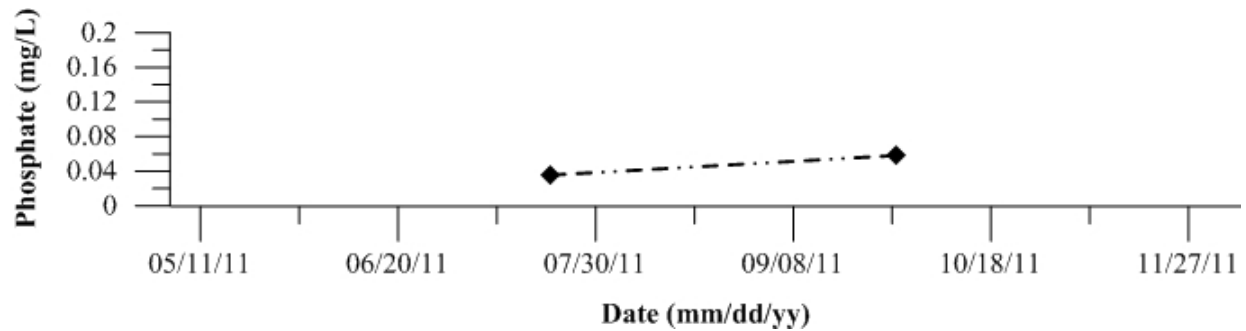


Figure 646: Dissolved phosphate as filtered in the lab for Site 11 French Camp Slough. Data collected in 2011.

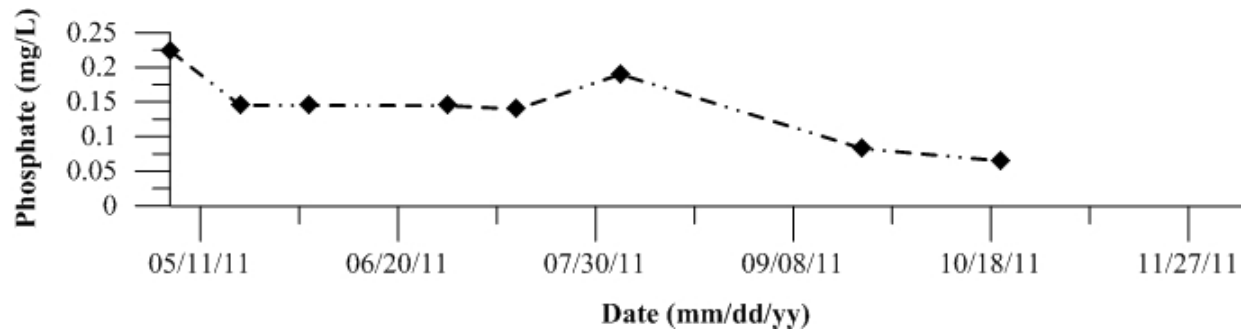


Figure 647: Dissolved phosphate as filtered in the lab for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

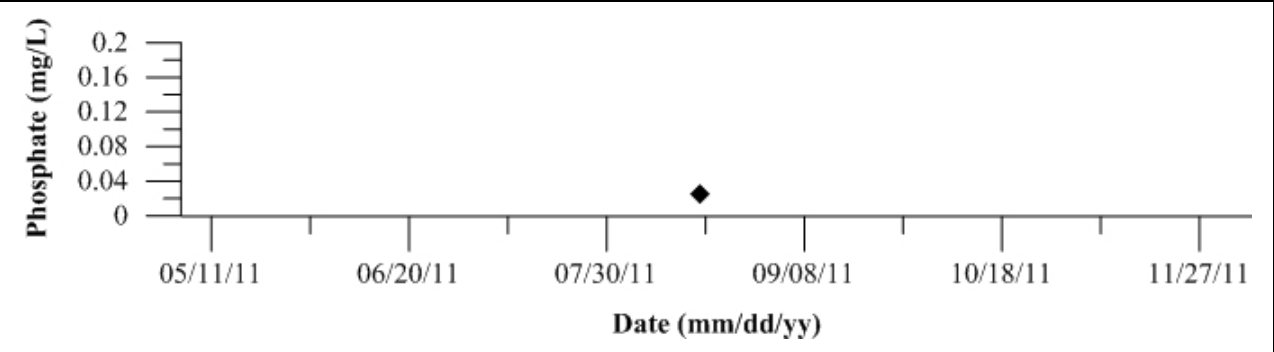


Figure 648: Dissolved phosphate as filtered in the lab for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

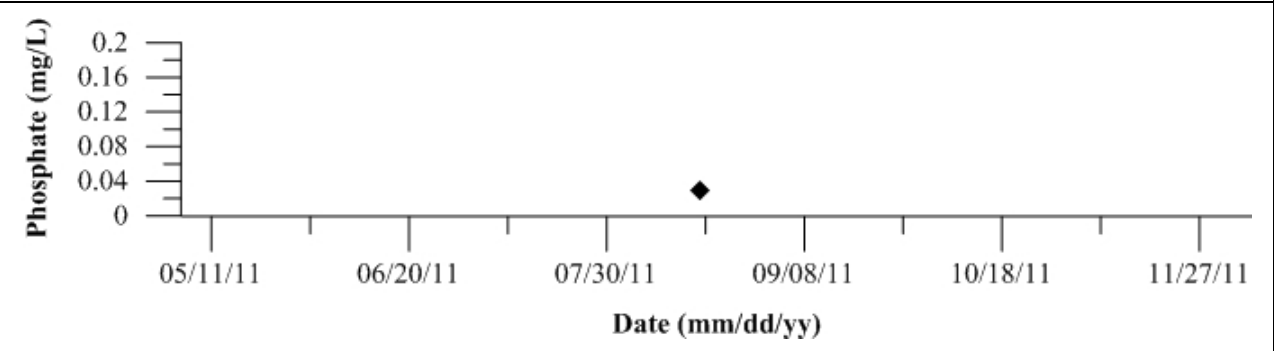


Figure 649: Dissolved phosphate as filtered in the lab for Site 16 Merced River at River Road. Data collected in 2011.

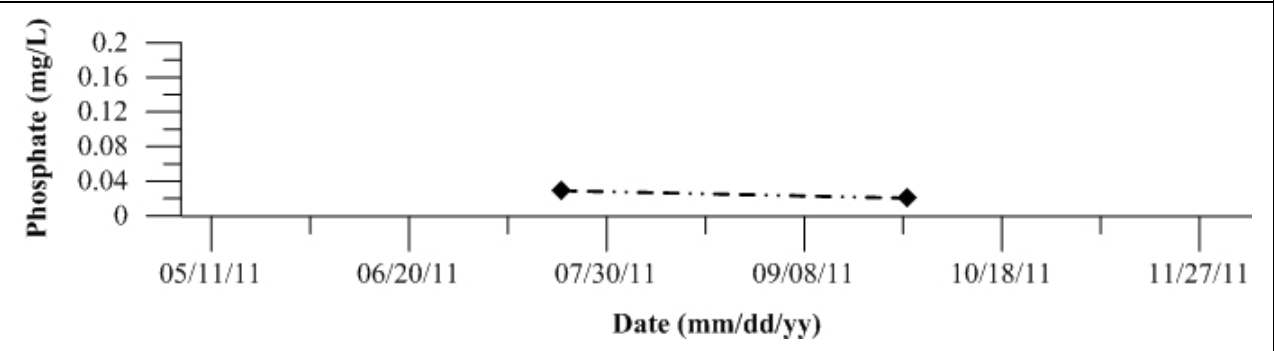


Figure 650: Dissolved phosphate as filtered in the lab for Site 18 Mud Slough near Gustine. Data collected in 2011.

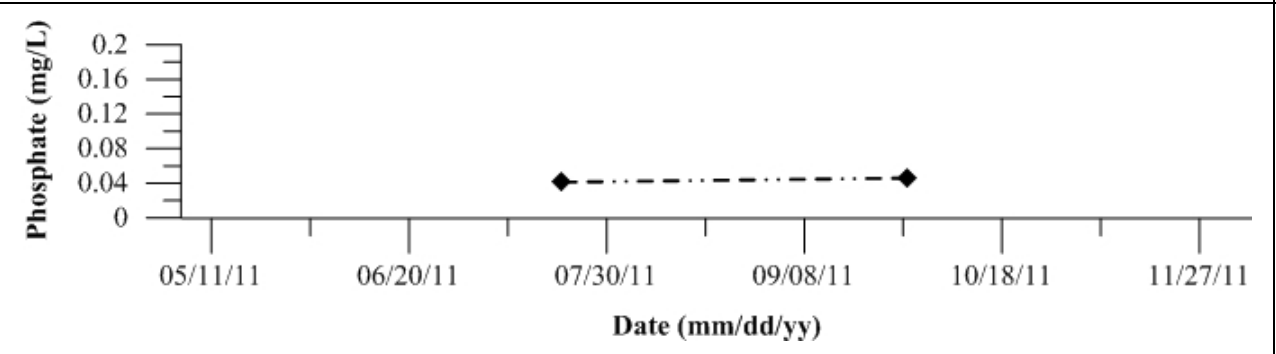


Figure 651: Dissolved phosphate as filtered in the lab for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

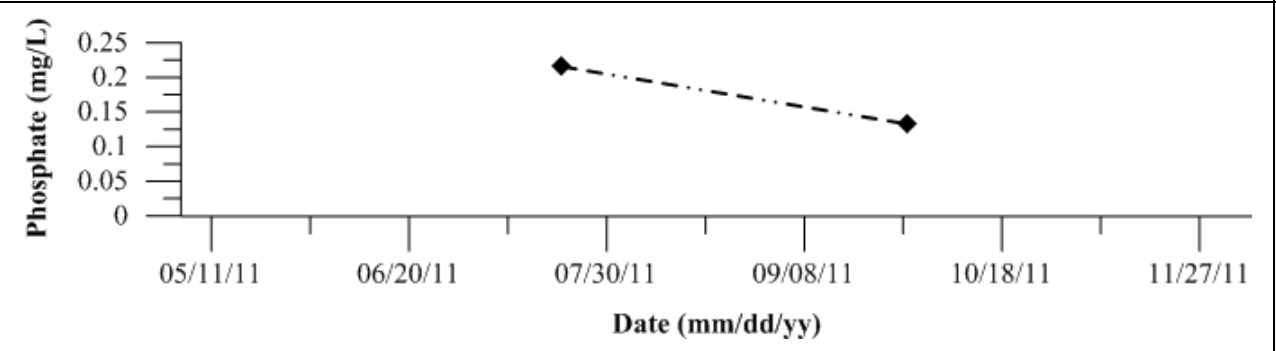


Figure 652: Dissolved phosphate as filtered in the lab for Site 21 Orestimba Creek at River Road. Data collected in 2011.

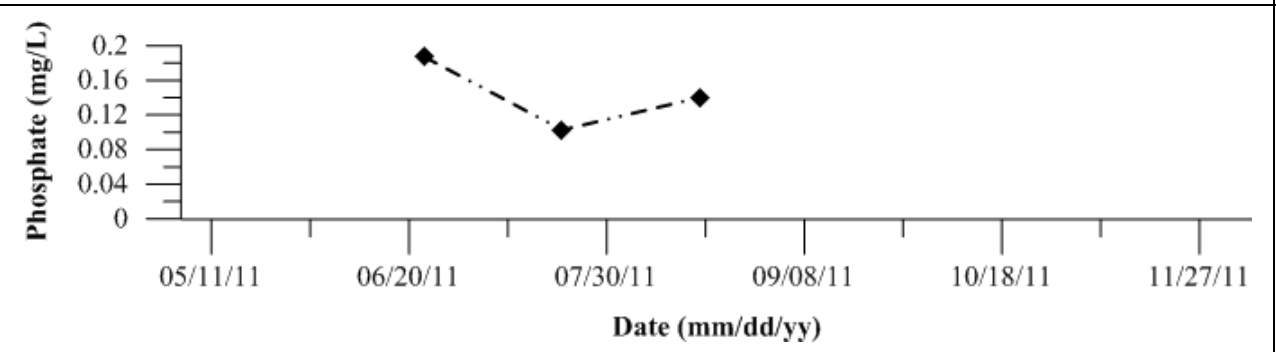


Figure 653: Dissolved phosphate as filtered in the lab for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

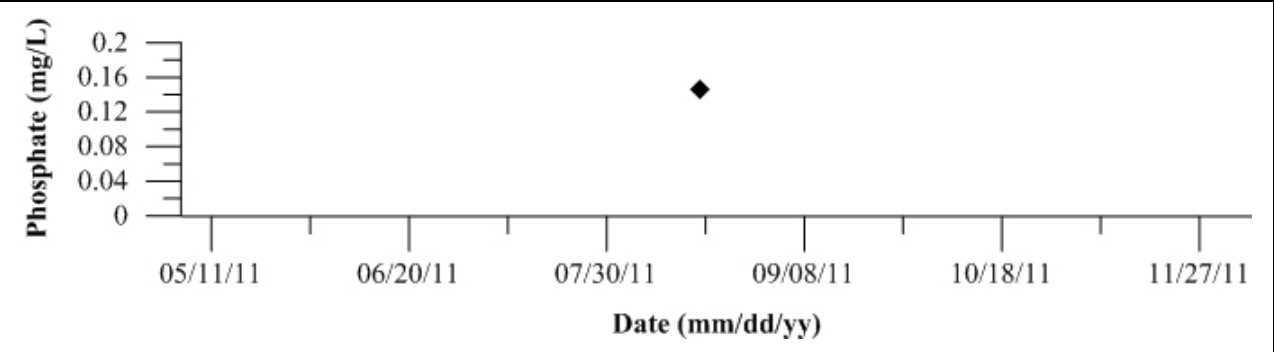


Figure 654: Dissolved phosphate as filtered in the lab for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

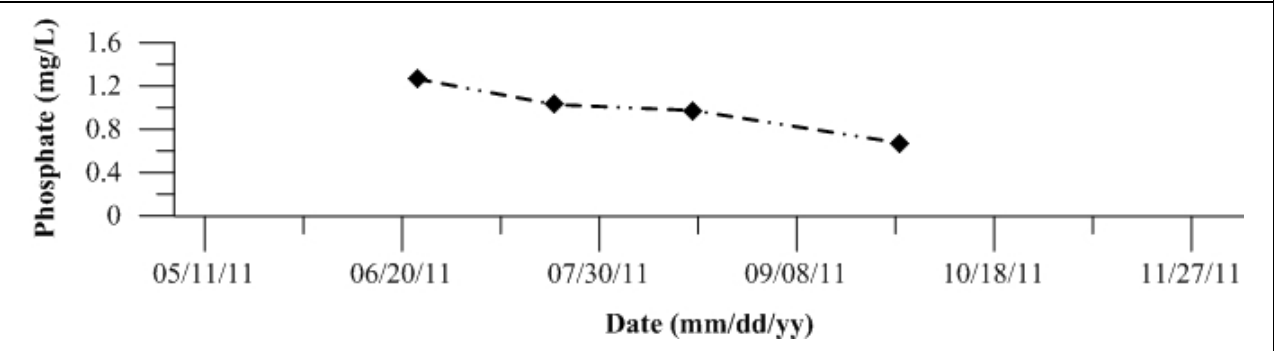


Figure 655: Dissolved phosphate as filtered in the lab for Site 34 Ingram Creek. Data collected in 2011.

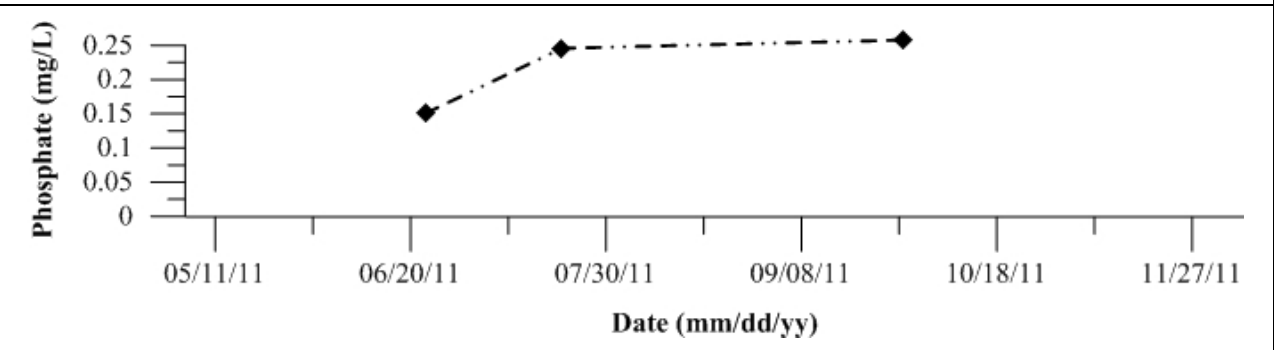


Figure 656: Dissolved phosphate as filtered in the lab for Site 36 Del Puerto Creek. Data collected in 2011.

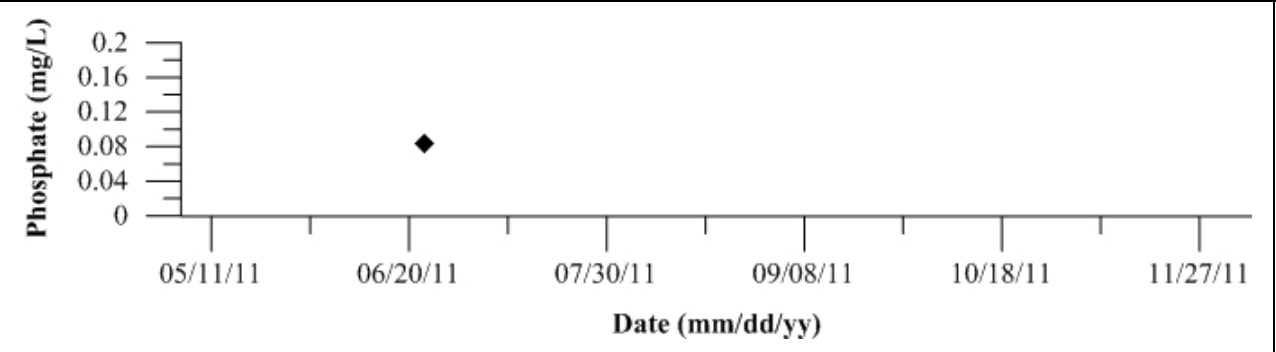


Figure 657: Dissolved phosphate as filtered in the lab for Site 44 San Luis Drain End. Data collected in 2011.

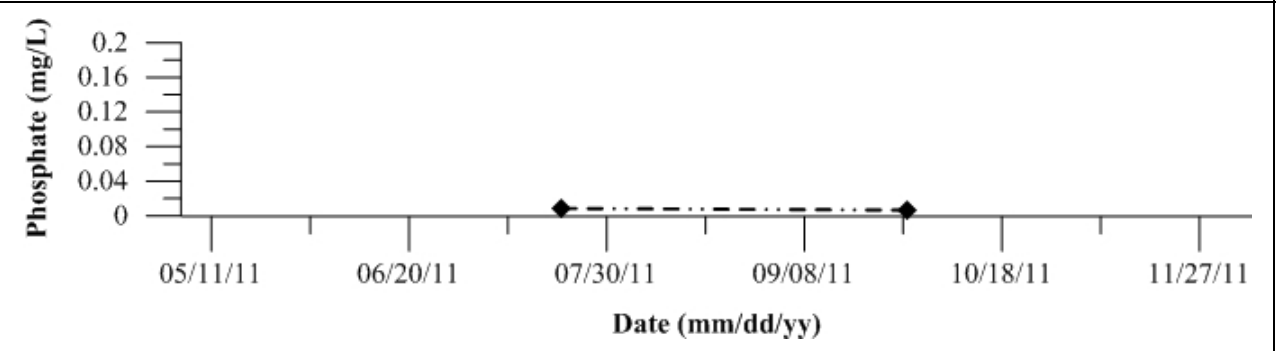


Figure 658: Dissolved phosphate as filtered in the lab for Site 57 Ramona Lake. Data collected in 2011.

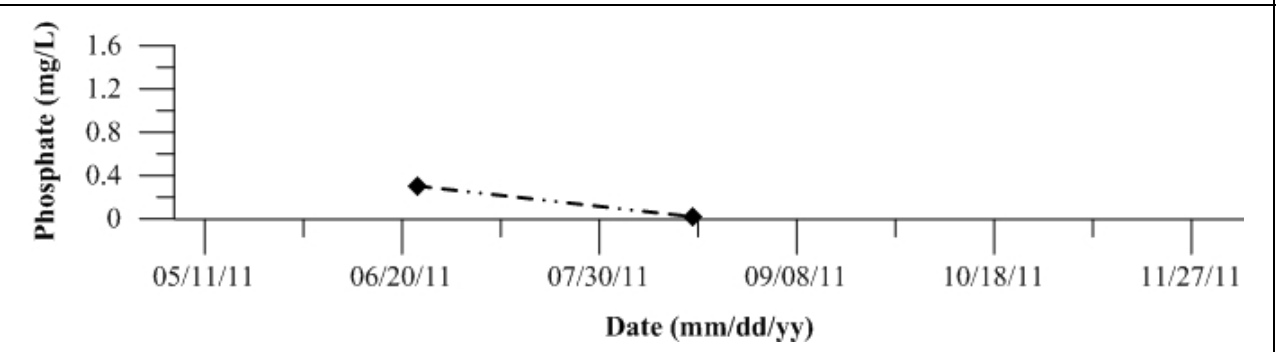


Figure 659: Dissolved phosphate as filtered in the lab for Site 127 SJR at Brant Bridge. Data collected in 2011.

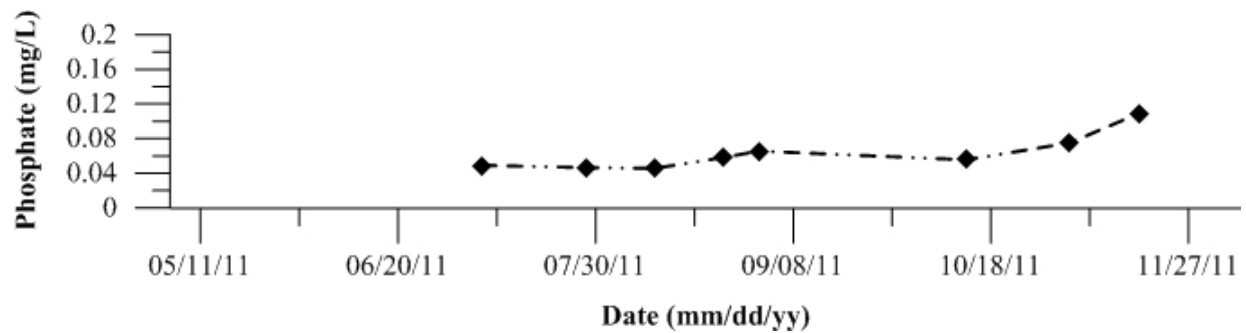


Figure 660: Dissolved phosphate as filtered in the lab for Site 402 Light 18 (Node 96). Data collected in 2011.

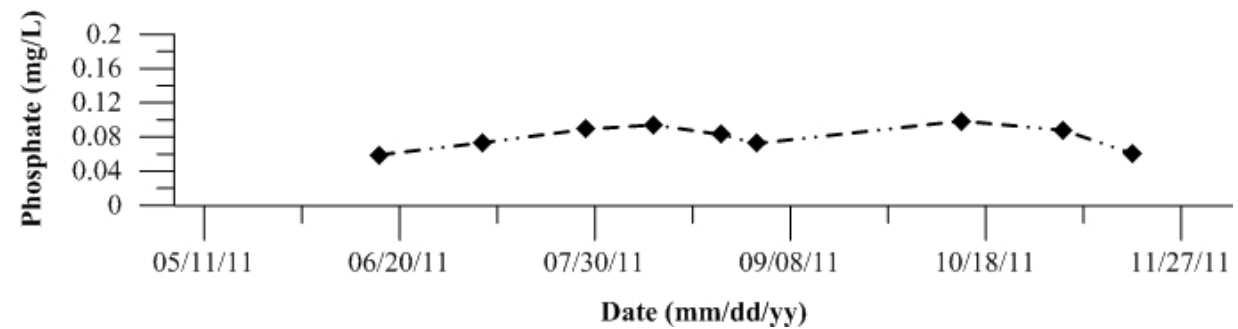


Figure 661: Dissolved phosphate as filtered in the lab for Site 405 Calaveras River. Data collected in 2011.

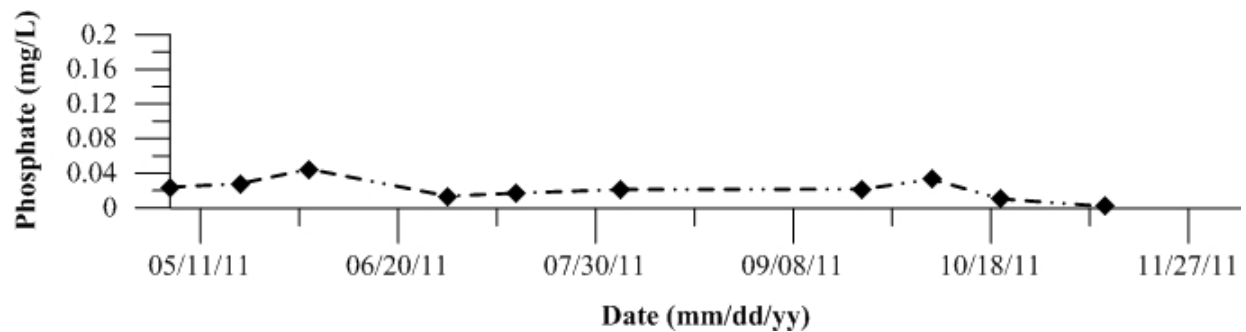


Figure 662: Dissolved phosphate as filtered in the lab for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

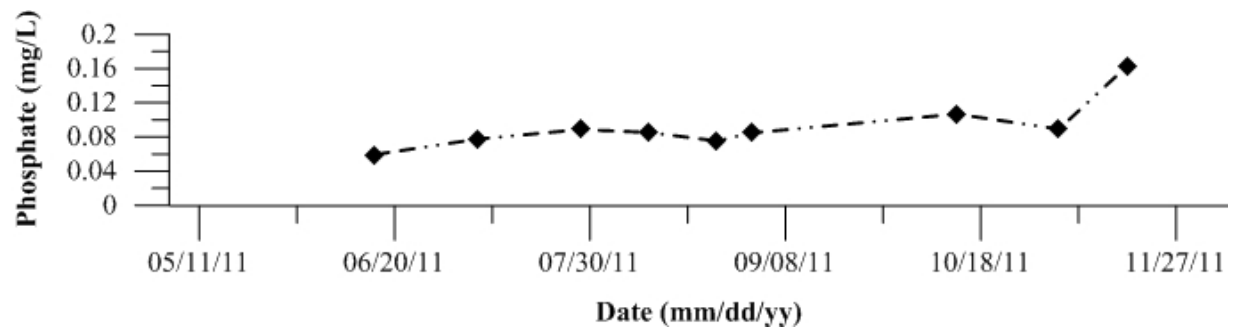


Figure 663: Dissolved phosphate as filtered in the lab for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

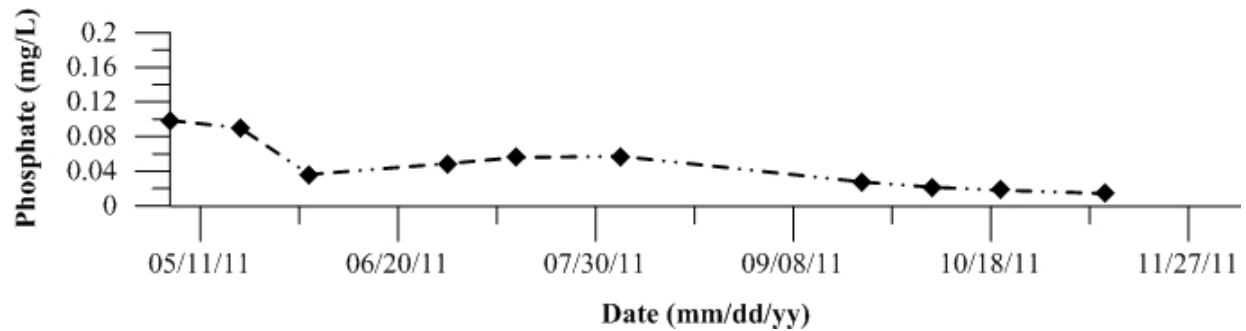


Figure 664: Dissolved phosphate as filtered in the lab for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

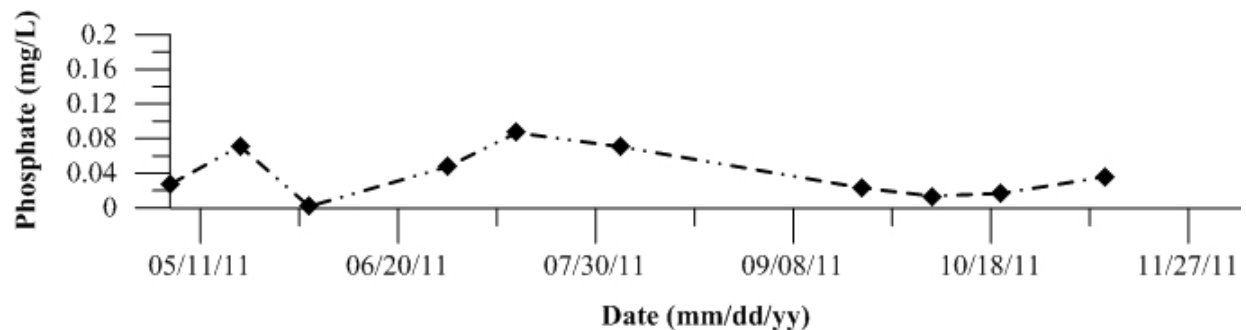


Figure 665: Dissolved phosphate as filtered in the lab for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

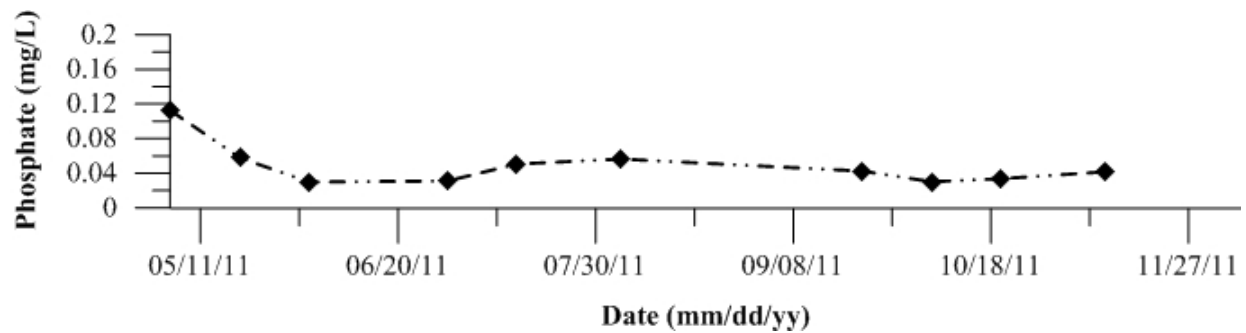


Figure 666: Dissolved phosphate as filtered in the lab for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

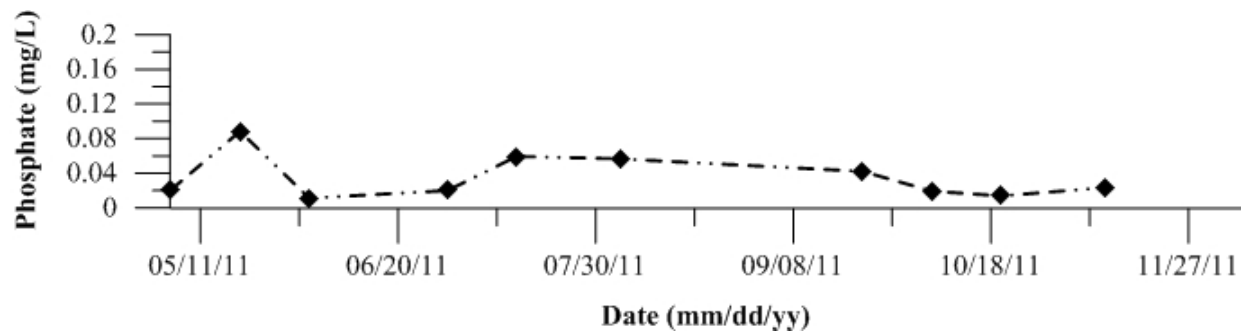


Figure 667: Dissolved phosphate as filtered in the lab for Site 424 14mi Slough. Data collected in 2011.

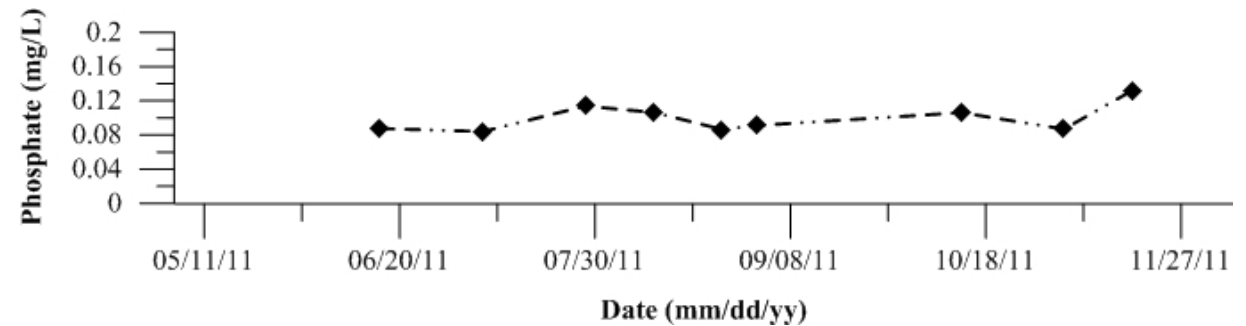


Figure 668: Dissolved phosphate as filtered in the lab for Site 425 Turner Cut. Data collected in 2011.

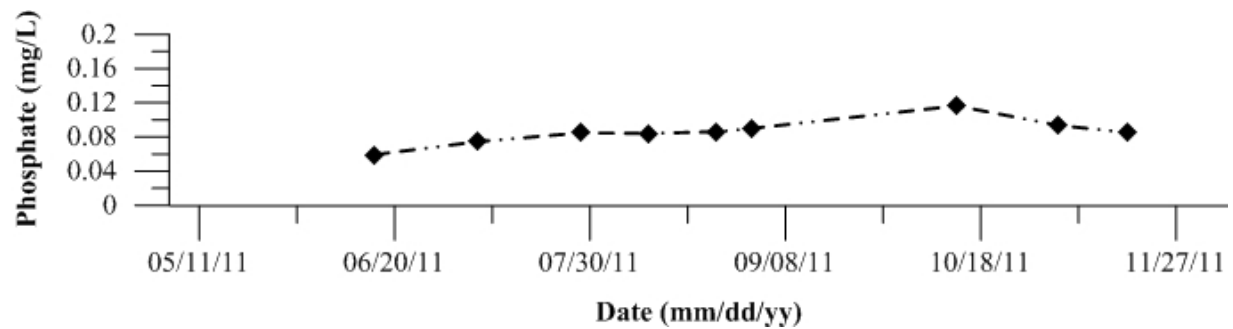


Figure 669: Dissolved phosphate as filtered in the lab for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

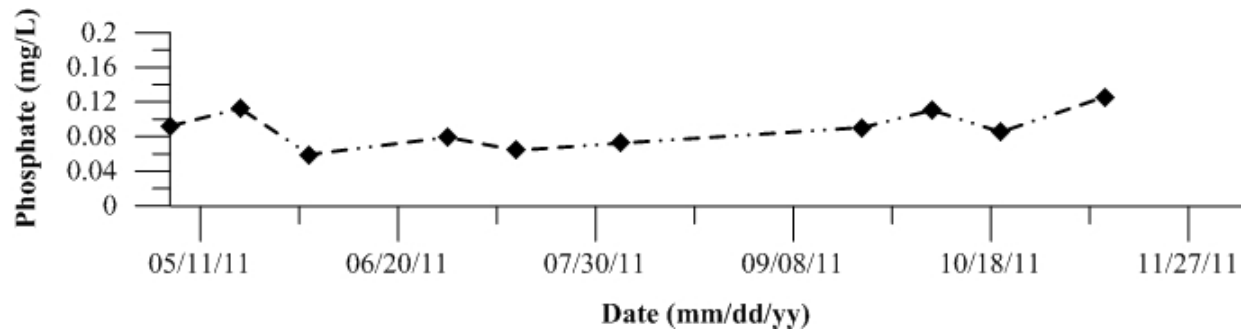


Figure 670: Dissolved phosphate as filtered in the lab for Site 427 RM 39 Near Louis Park. Data collected in 2011.

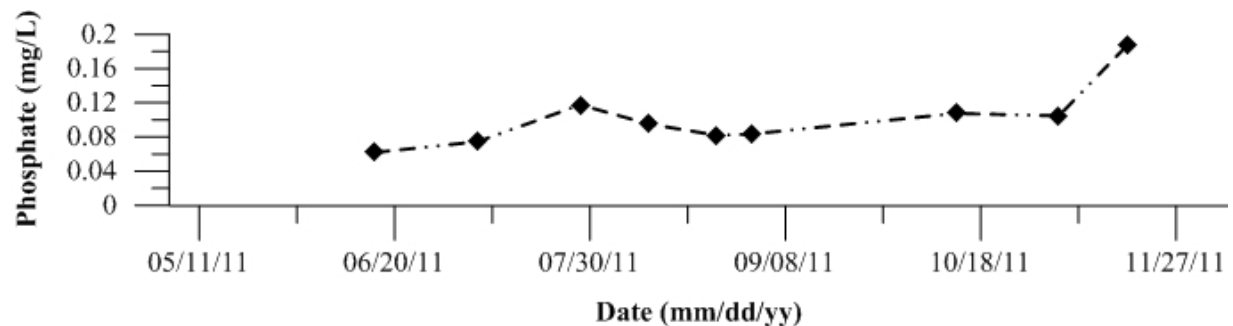


Figure 671: Dissolved phosphate as filtered in the lab for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

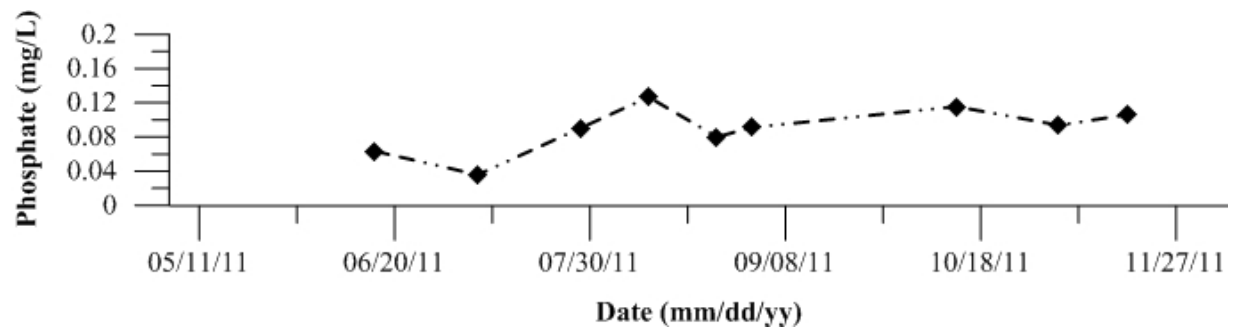
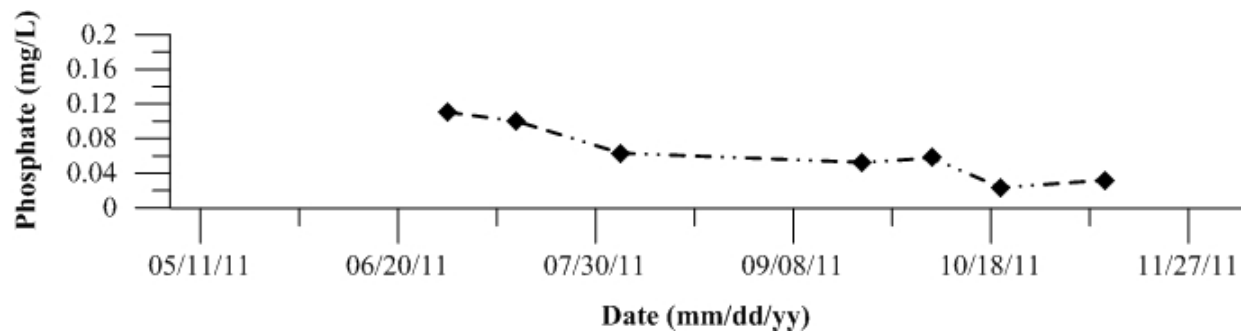


Figure 672: Dissolved phosphate as filtered in the lab for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 673-704: Temporal plots of total phosphorus as phosphate by Site ID

Figure 673: Total phosphorus as phosphate for Site 2 SJR at Dos Reis Park. Data collected in 2011.

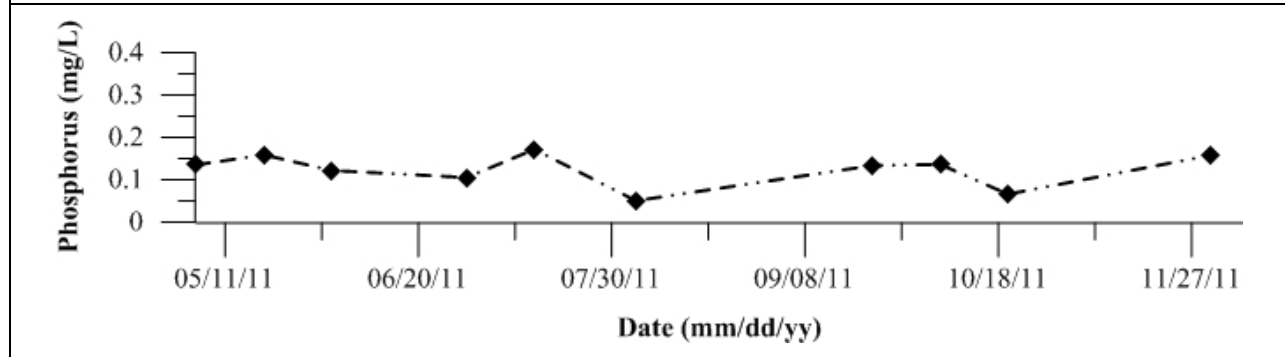


Figure 674: Total phosphorus as phosphate for Site 4 SJR at Mossdale. Data collected in 2011.

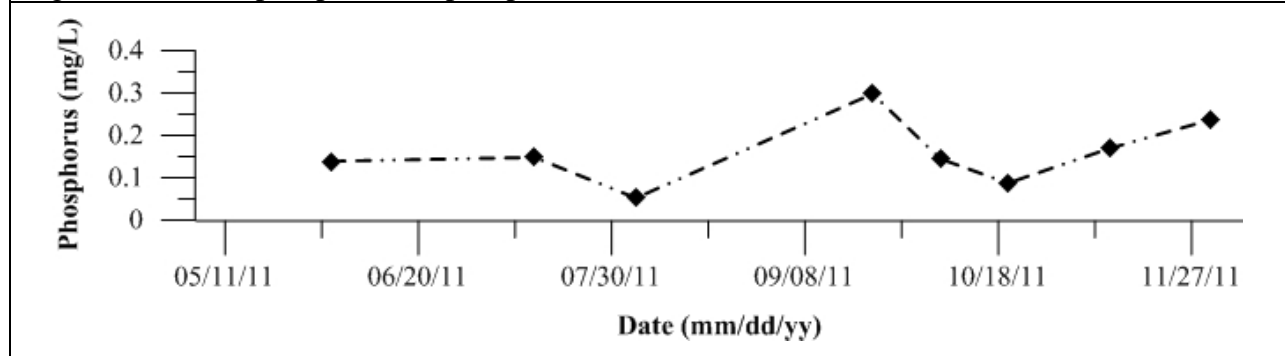


Figure 675: Total phosphorus as phosphate for Site 5 SJR at McCune Station. Data collected in 2011.

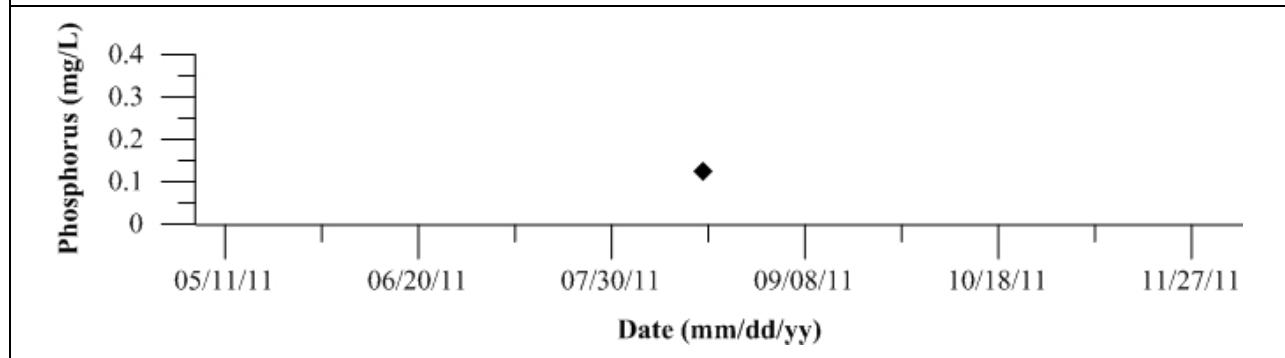


Figure 676: Total phosphorus as phosphate for Site 7 SJR at Patterson. Data collected in 2011.

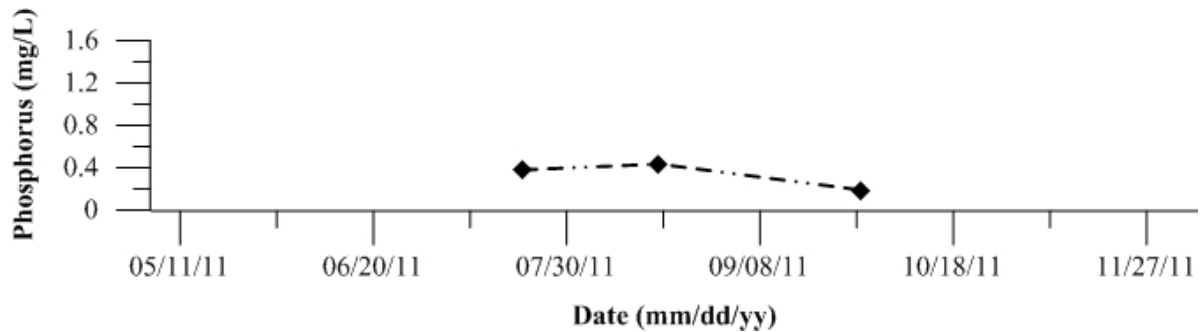


Figure 677: Total phosphorus as phosphate for Site 10 SJR at Lander Avenue. Data collected in 2011.

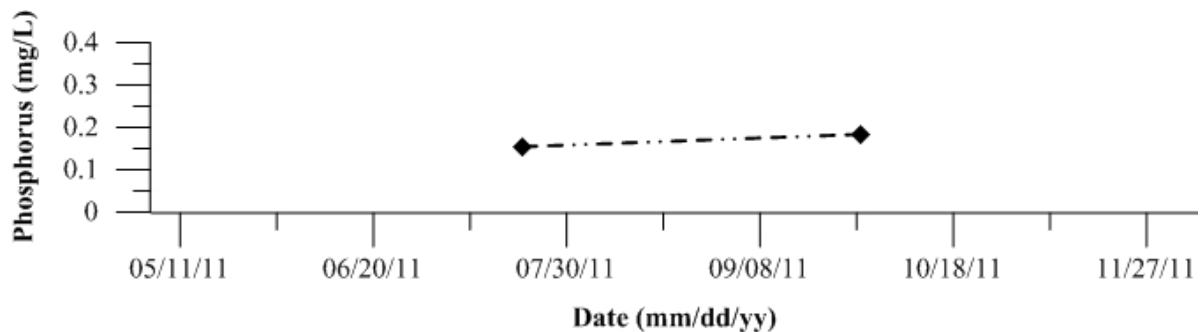


Figure 678: Total phosphorus as phosphate for Site 11 French Camp Slough. Data collected in 2011.

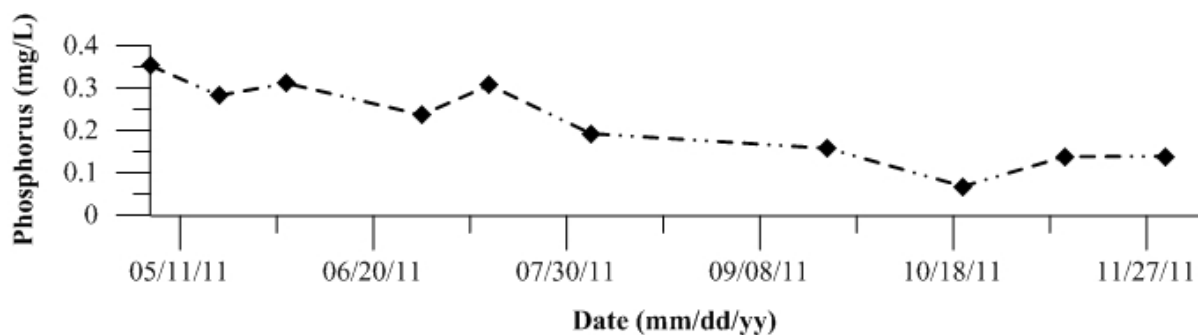


Figure 679: Total phosphorus as phosphate for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

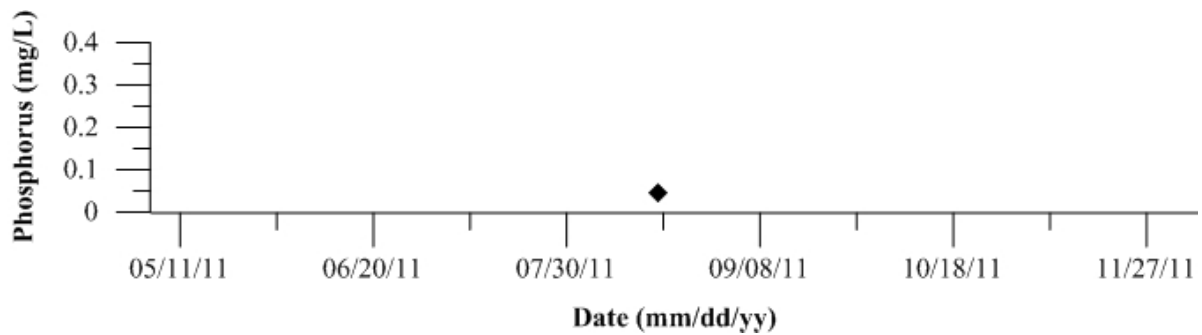


Figure 680: Total phosphorus as phosphate for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

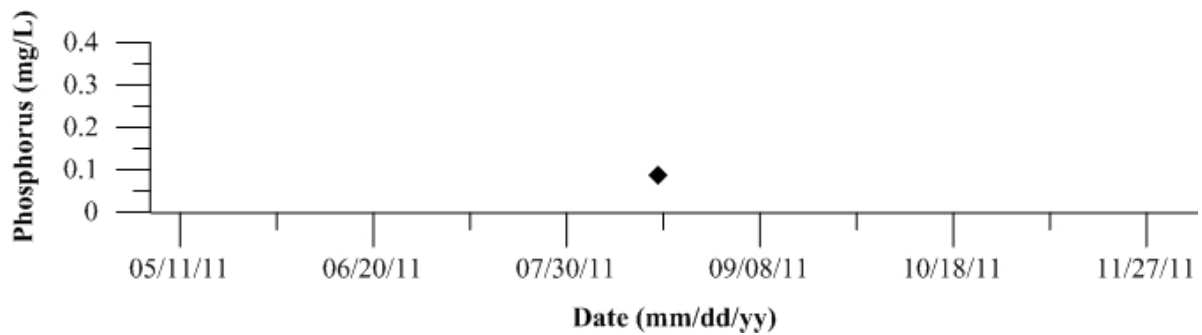


Figure 681: Total phosphorus as phosphate for Site 16 Merced River at River Road. Data collected in 2011.

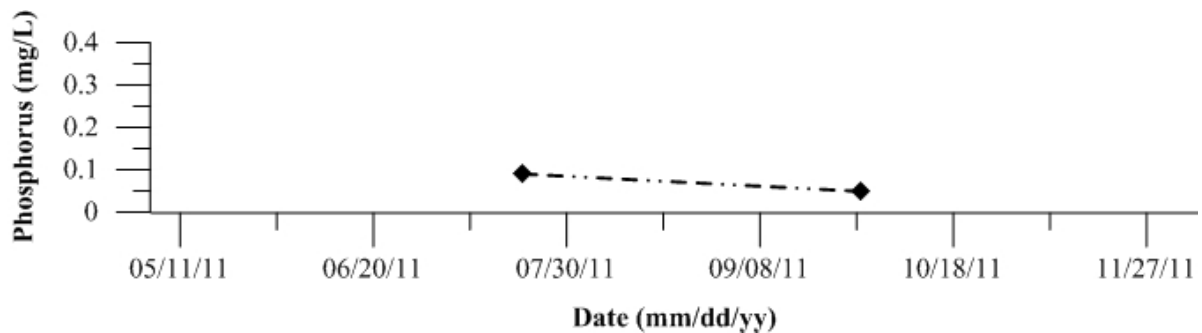


Figure 682: Total phosphorus as phosphate for Site 18 Mud Slough near Gustine. Data collected in 2011.

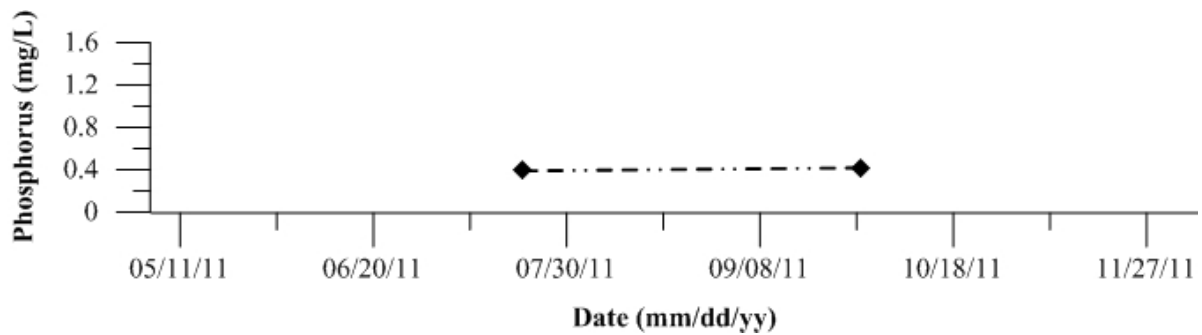


Figure 683: Total phosphorus as phosphate for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

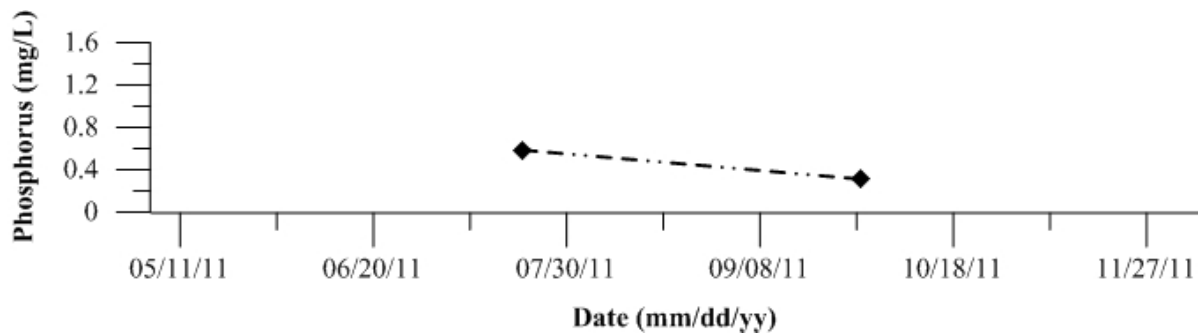


Figure 684: Total phosphorus as phosphate for Site 21 Orestimba Creek at River Road. Data collected in 2011.

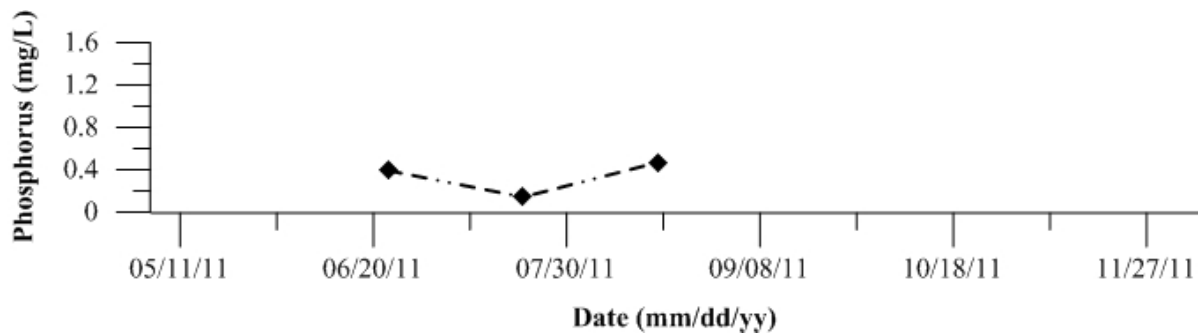


Figure 685: Total phosphorus as phosphate for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

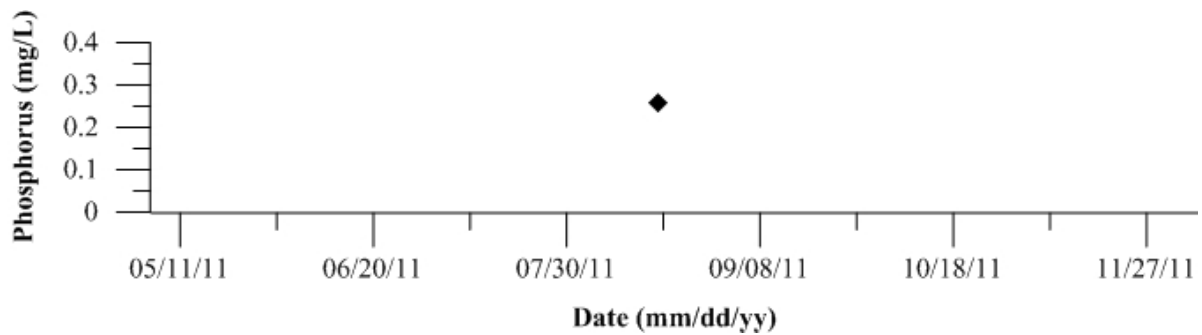


Figure 686: Total phosphorus as phosphate for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

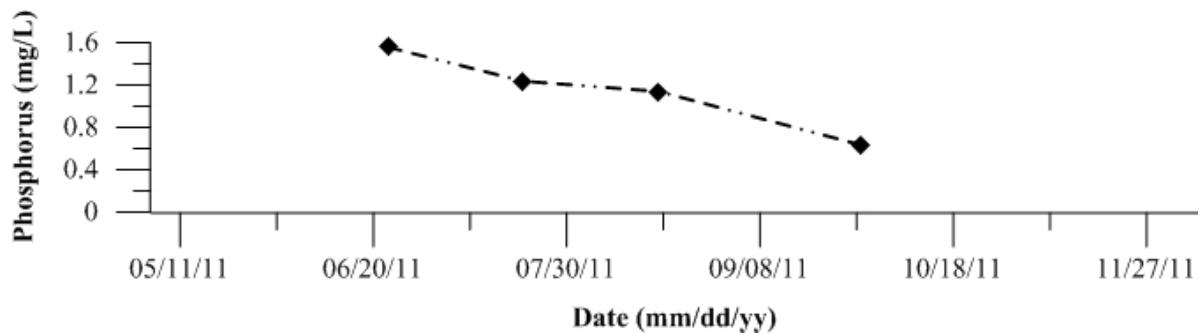


Figure 687: Total phosphorus as phosphate for Site 34 Ingram Creek. Data collected in 2011.

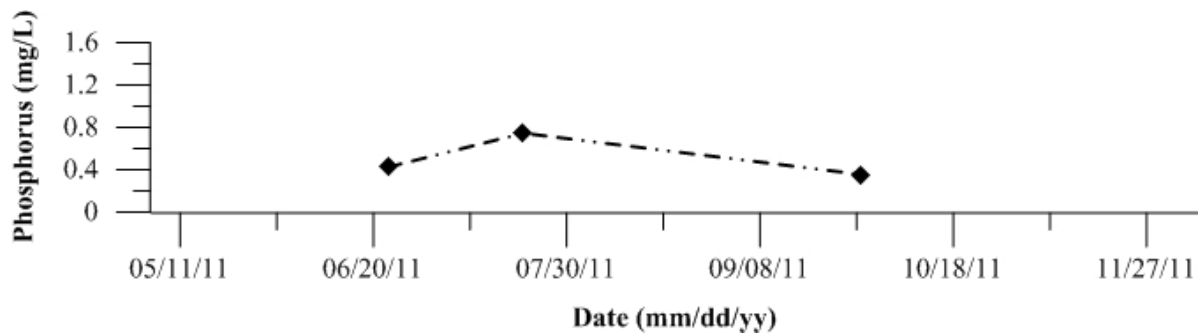


Figure 688: Total phosphorus as phosphate for Site 36 Del Puerto Creek. Data collected in 2011.

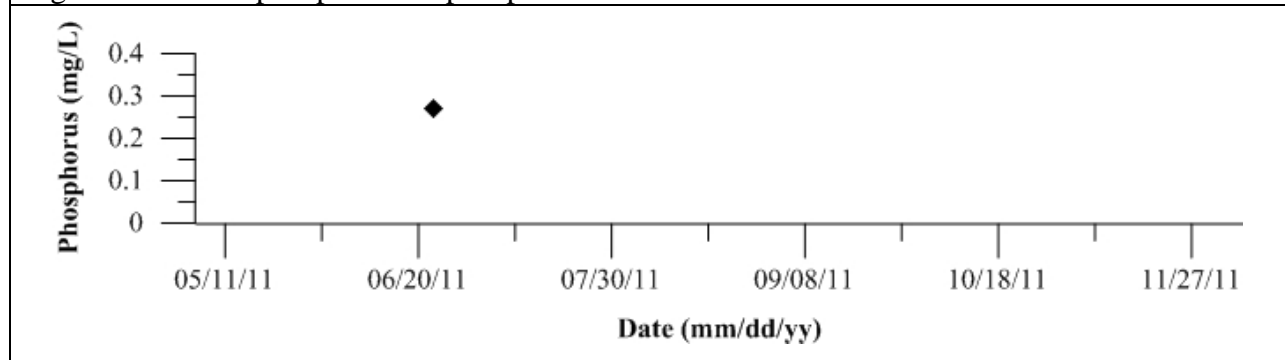


Figure 689: Total phosphorus as phosphate for Site 44 San Luis Drain End. Data collected in 2011.

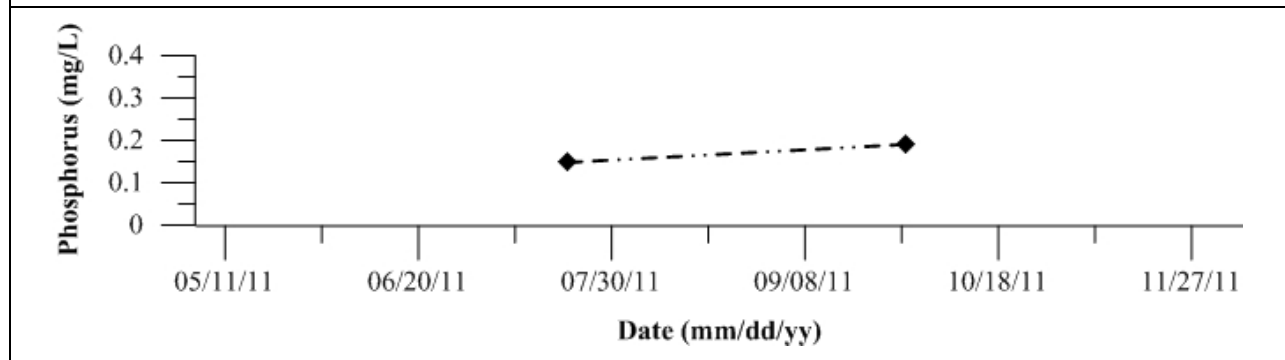


Figure 690: Total phosphorus as phosphate for Site 57 Ramona Lake. Data collected in 2011.

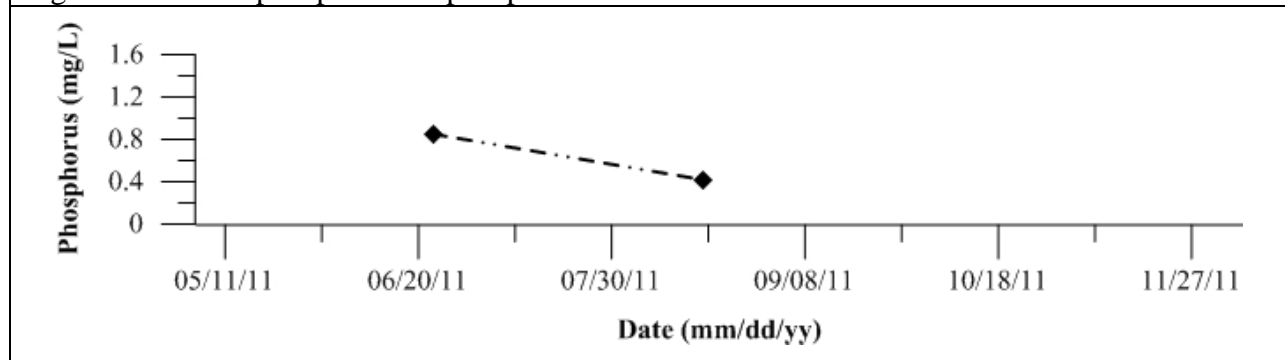


Figure 691: Total phosphorus as phosphate for Site 127 SJR at Brant Bridge. Data collected in 2011.

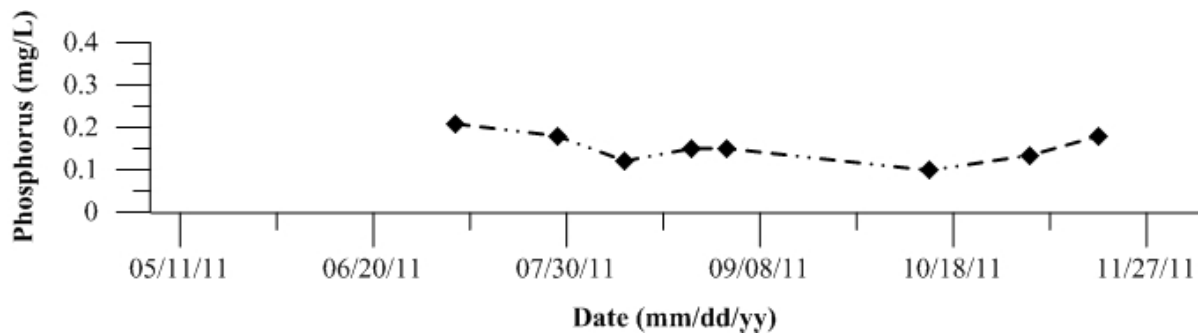


Figure 692: Total phosphorus as phosphate for Site 402 Light 18 (Node 96). Data collected in 2011.

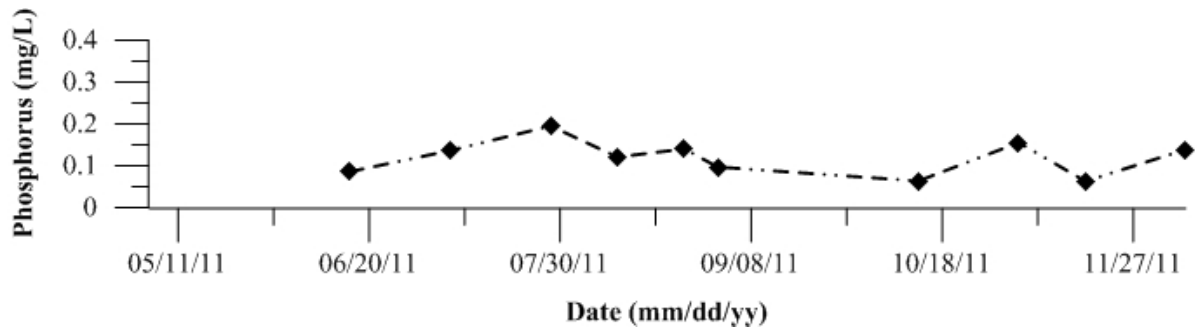


Figure 693: Total phosphorus as phosphate for Site 405 Calaveras River. Data collected in 2011.

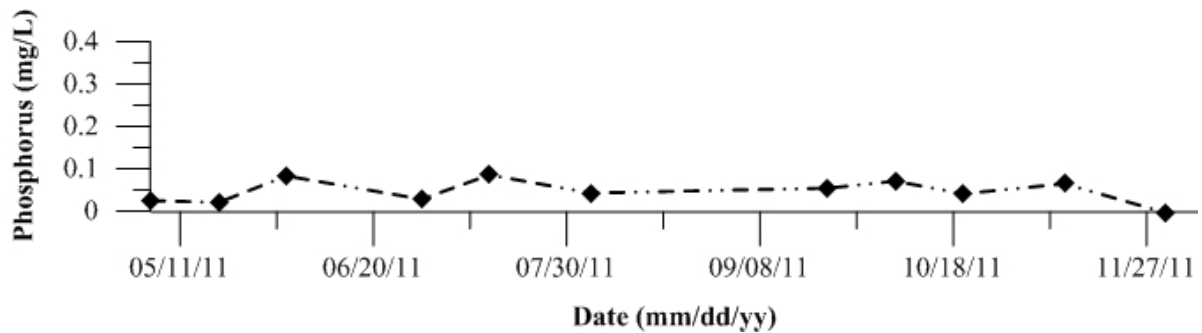


Figure 694: Total phosphorus as phosphate for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

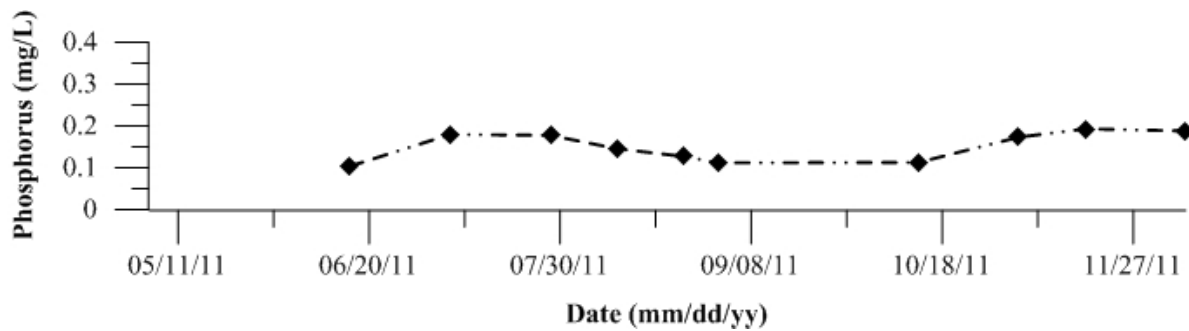


Figure 695: Total phosphorus as phosphate for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

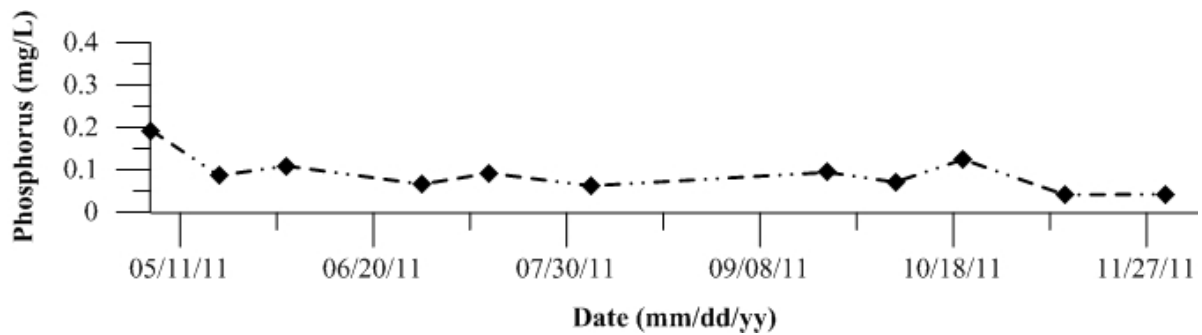


Figure 696: Total phosphorus as phosphate for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

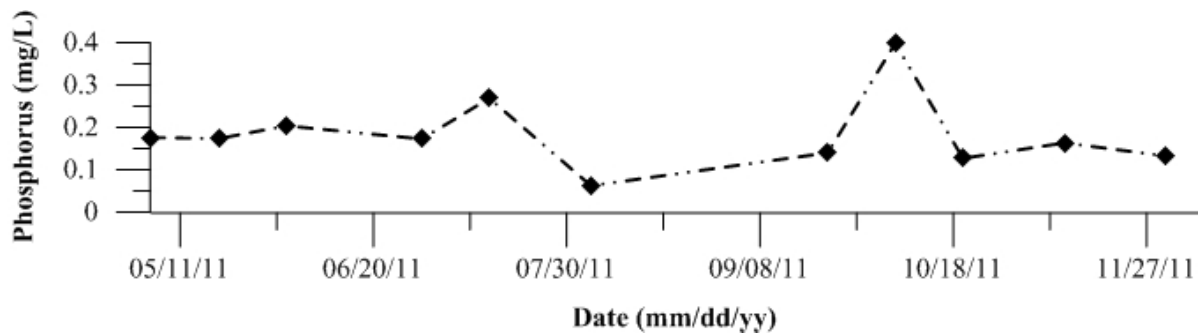


Figure 697: Total phosphorus as phosphate for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

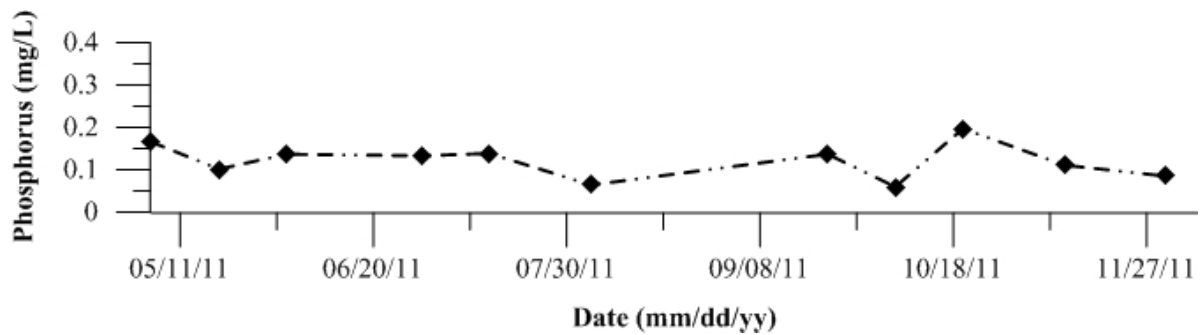


Figure 698: Total phosphorus as phosphate for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

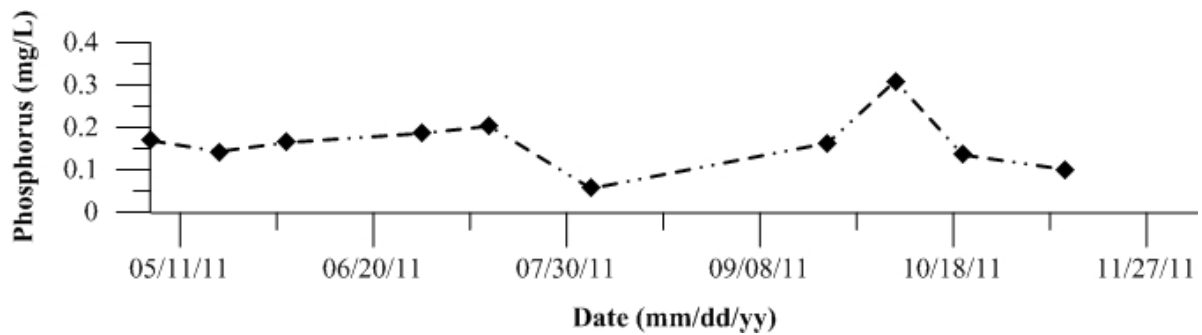


Figure 699: Total phosphorus as phosphate for Site 424 14mi Slough. Data collected in 2011.

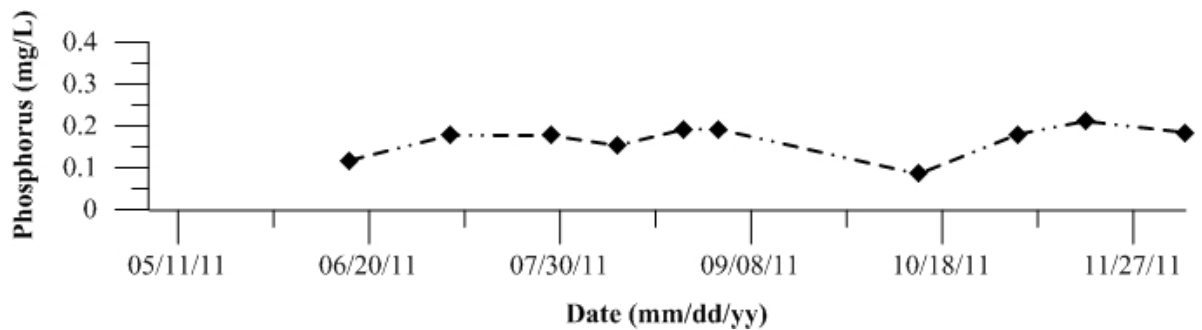


Figure 700: Total phosphorus as phosphate for Site 425 Turner Cut. Data collected in 2011.

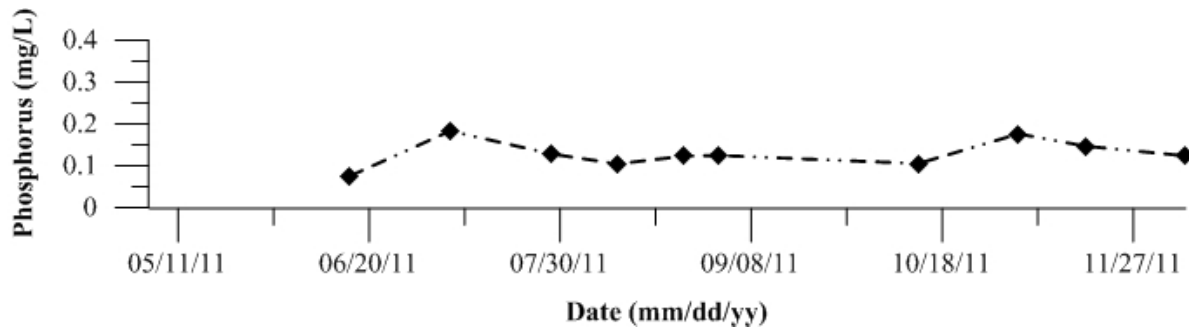


Figure 701: Total phosphorus as phosphate for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

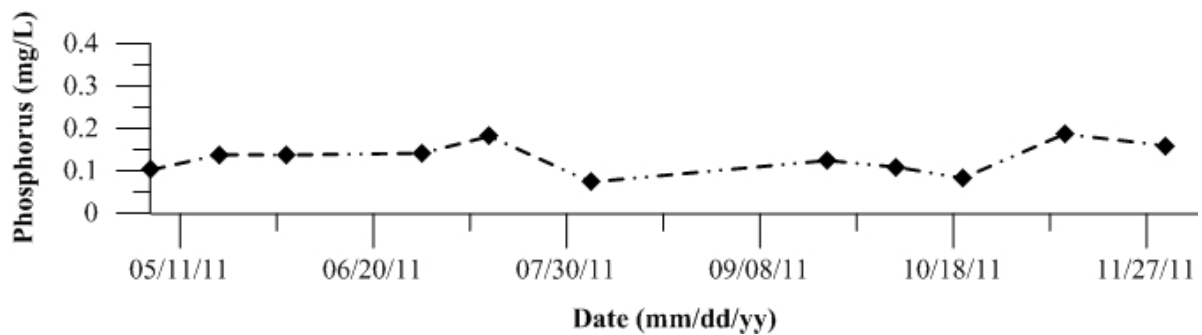


Figure 702: Total phosphorus as phosphate for Site 427 RM 39 Near Louis Park. Data collected in 2011.

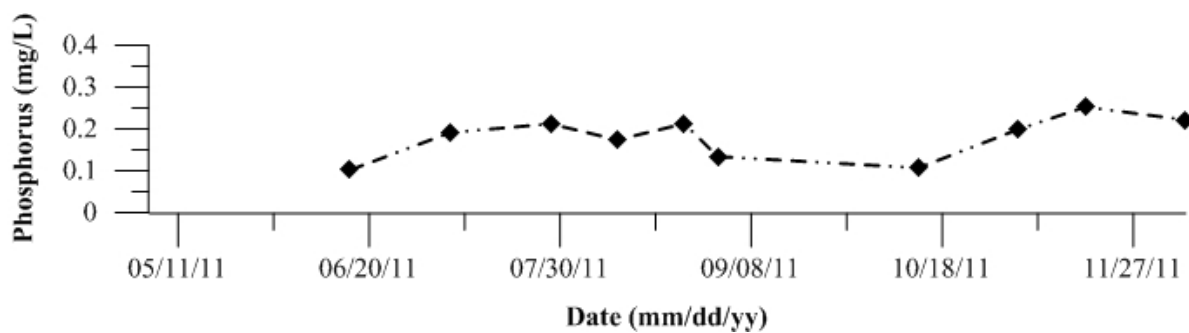


Figure 703: Total phosphorus as phosphate for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

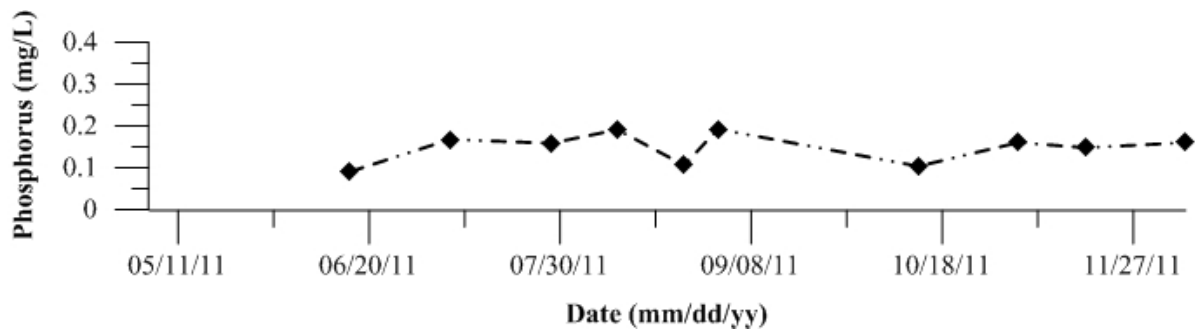
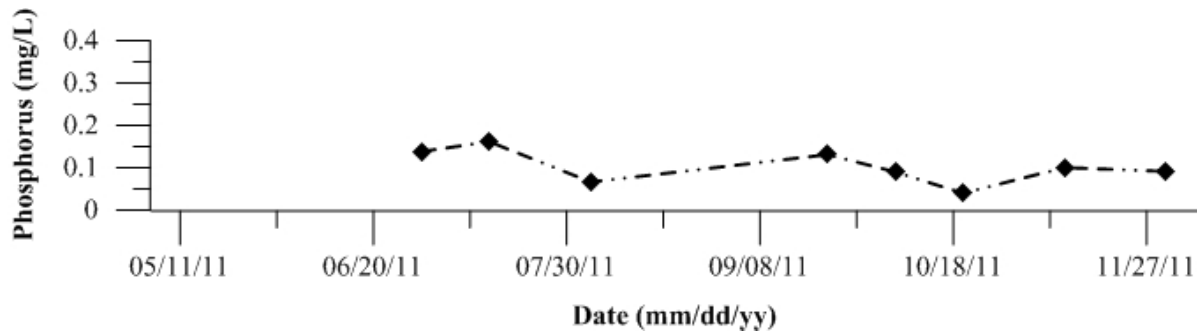


Figure 704: Total phosphorus as phosphate for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 705-736: Temporal plots of Biological Oxygen Demand (BOD) by Site ID

Figure 705: Biochemical Oxygen Demand (BOD) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

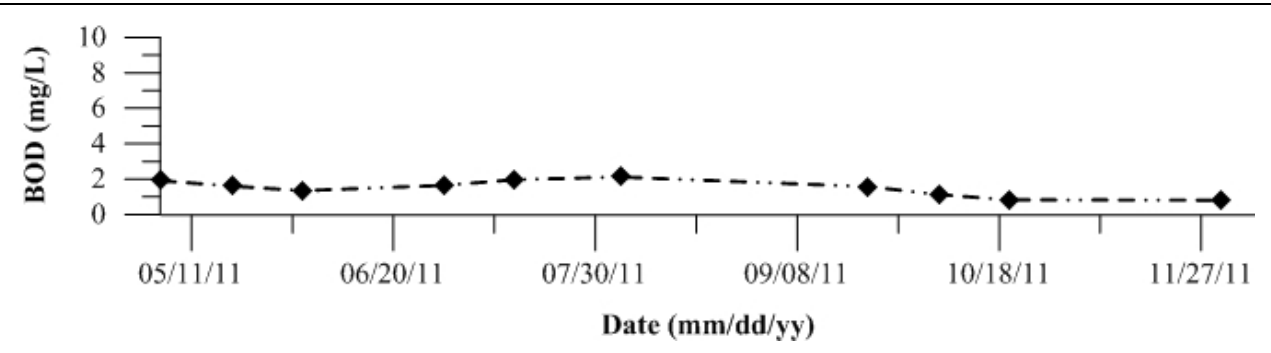


Figure 706: Biochemical Oxygen Demand (BOD) for Site 4 SJR at Mossdale. Data collected in 2011.

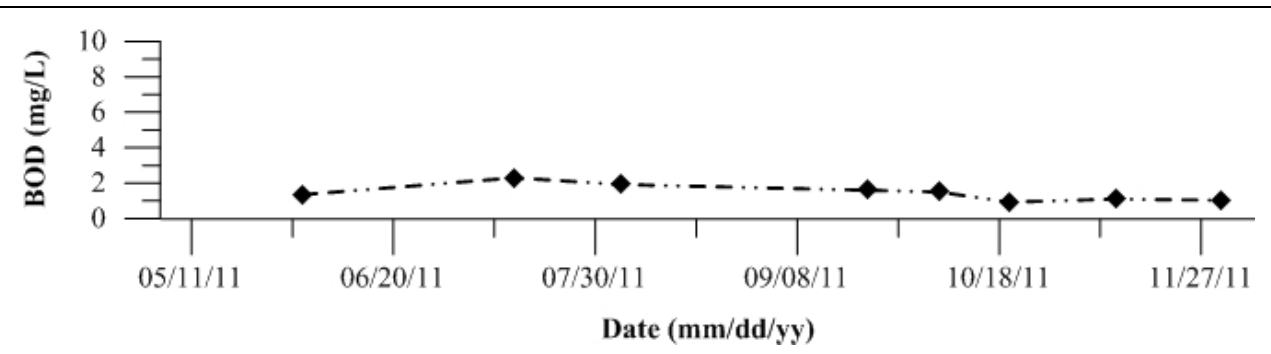


Figure 707: Biochemical Oxygen Demand (BOD) for Site 5 SJR at McCune Station. Data collected in 2011.

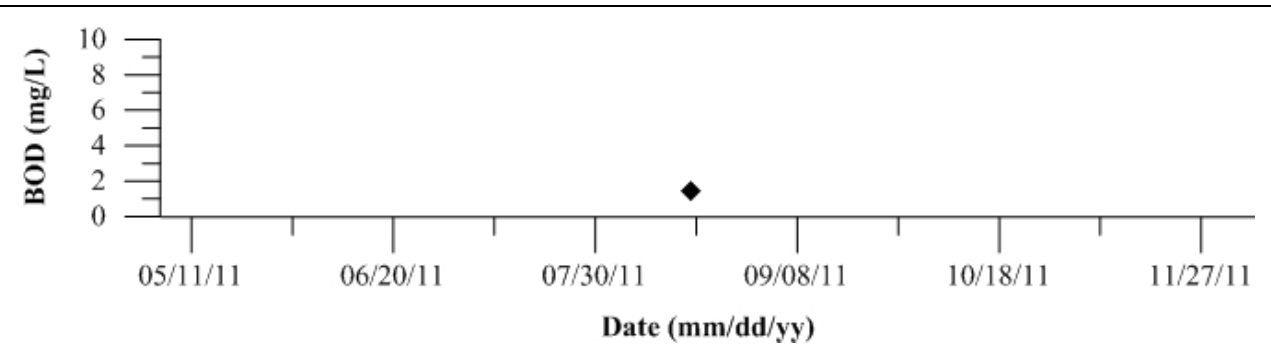


Figure 708: Biochemical Oxygen Demand (BOD) for Site 7 SJR at Patterson. Data collected in 2011.

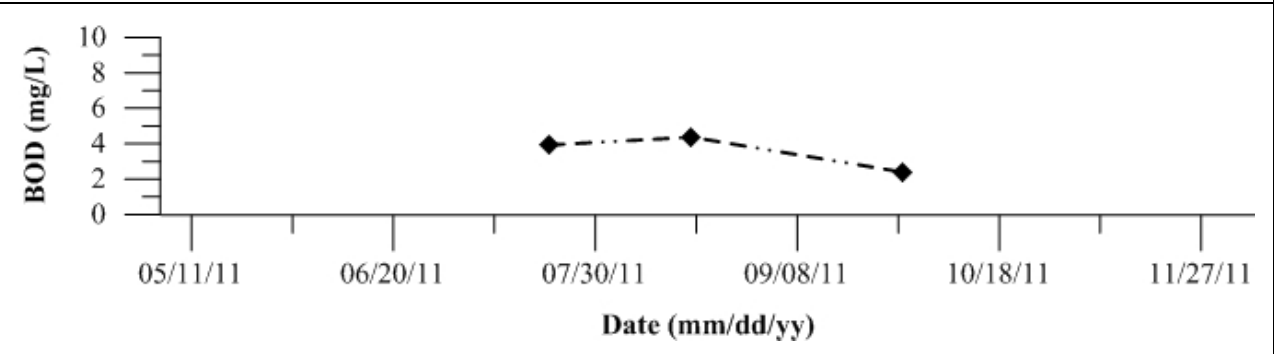


Figure 709: Biochemical Oxygen Demand (BOD) for Site 10 SJR at Lander Avenue. Data collected in 2011.

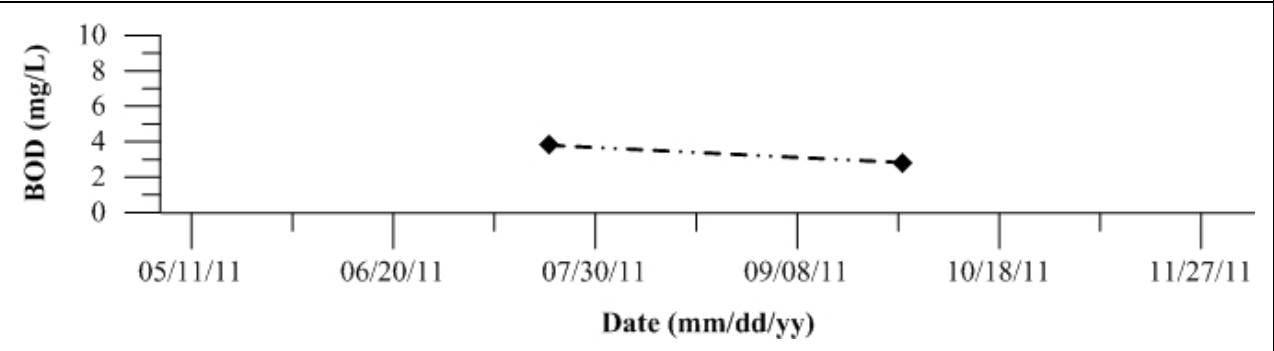


Figure 710: Biochemical Oxygen Demand (BOD) for Site 11 French Camp Slough. Data collected in 2011.

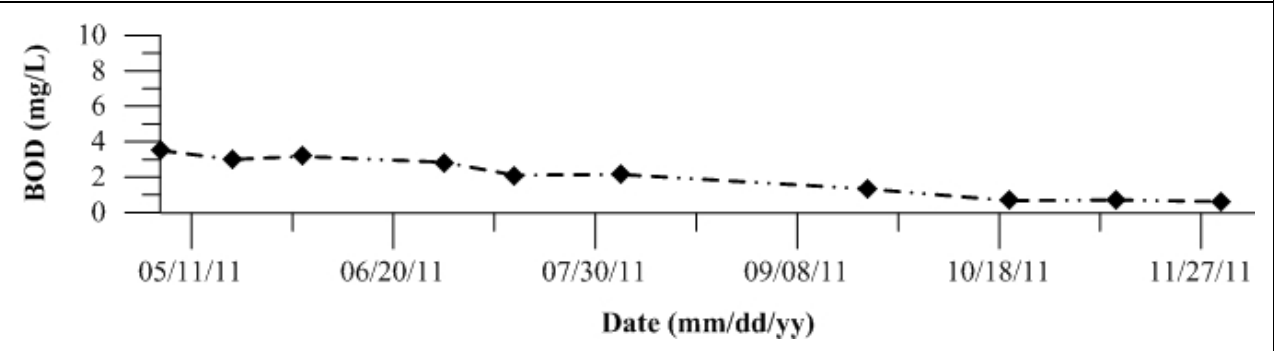


Figure 711: Biochemical Oxygen Demand (BOD) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

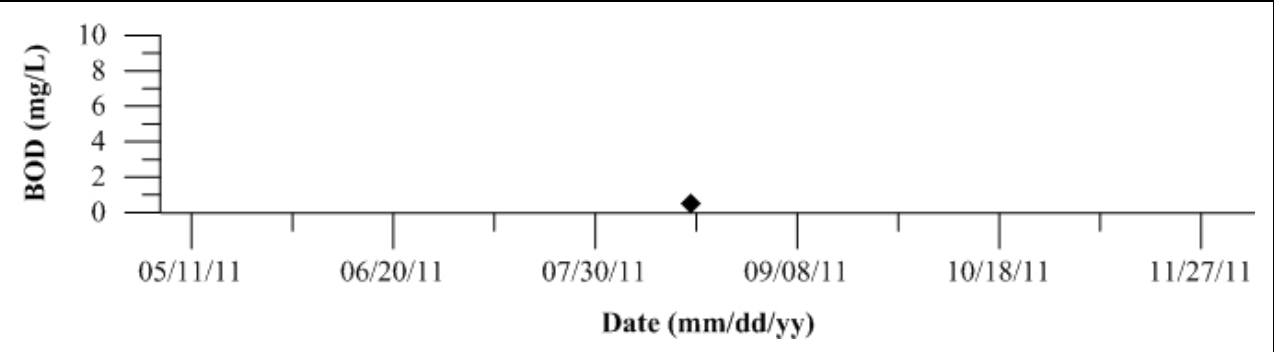


Figure 712: Biochemical Oxygen Demand (BOD) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

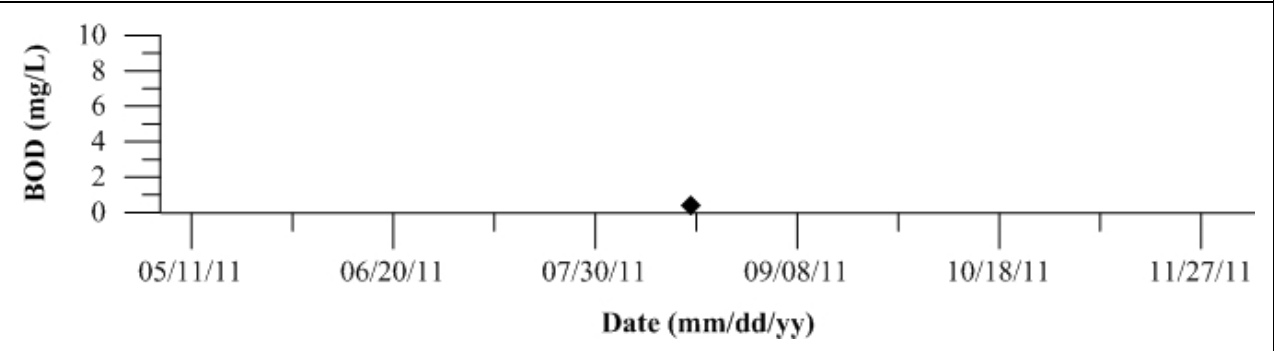


Figure 713: Biochemical Oxygen Demand (BOD) for Site 16 Merced River at River Road. Data collected in 2011.

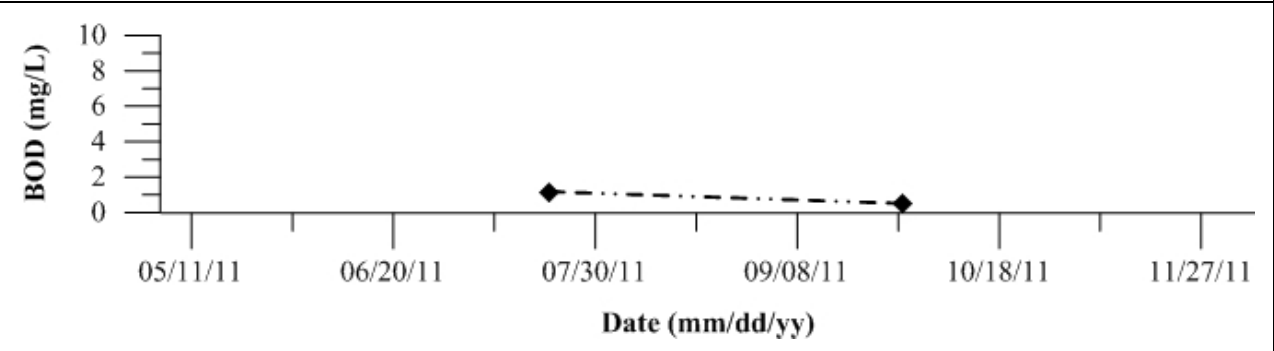


Figure 714: Biochemical Oxygen Demand (BOD) for Site 18 Mud Slough near Gustine. Data collected in 2011.

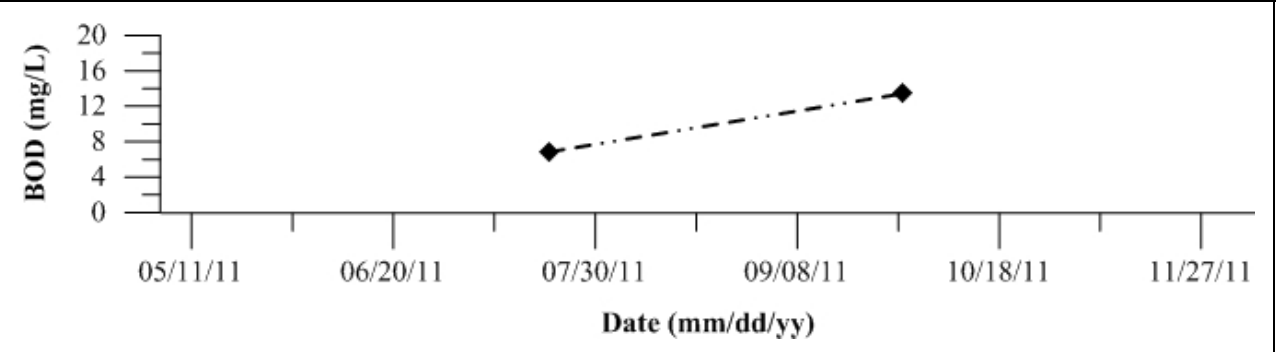


Figure 715: Biochemical Oxygen Demand (BOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

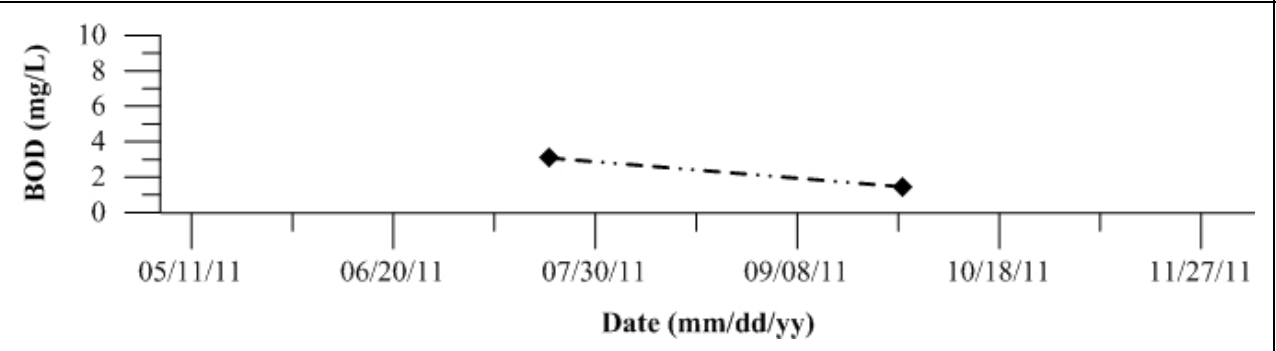


Figure 716: Biochemical Oxygen Demand (BOD) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

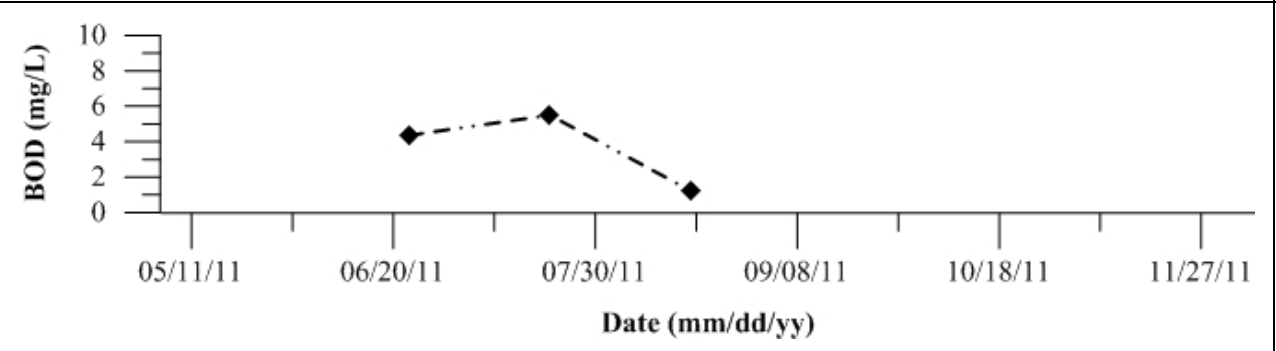


Figure 717: Biochemical Oxygen Demand (BOD) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

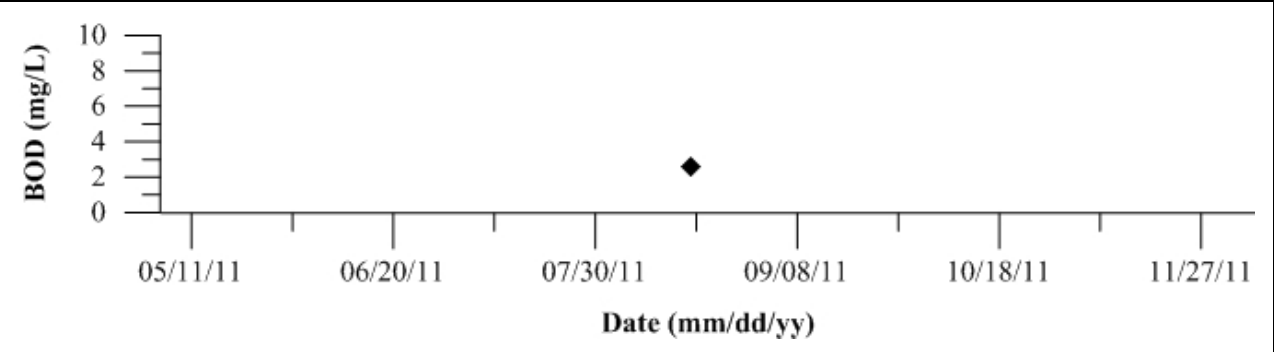


Figure 718: Biochemical Oxygen Demand (BOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

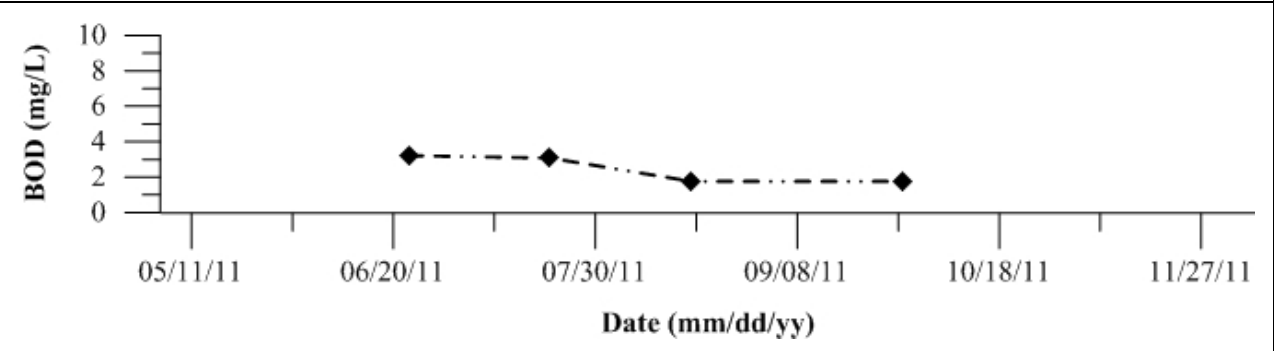


Figure 719: Biochemical Oxygen Demand (BOD) for Site 34 Ingram Creek. Data collected in 2011.

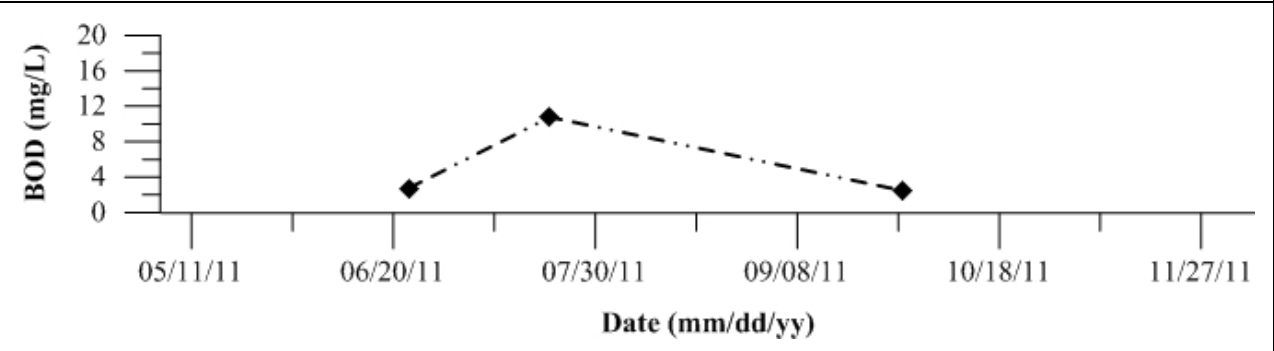


Figure 720: Biochemical Oxygen Demand (BOD) for Site 36 Del Puerto Creek. Data collected in 2011.

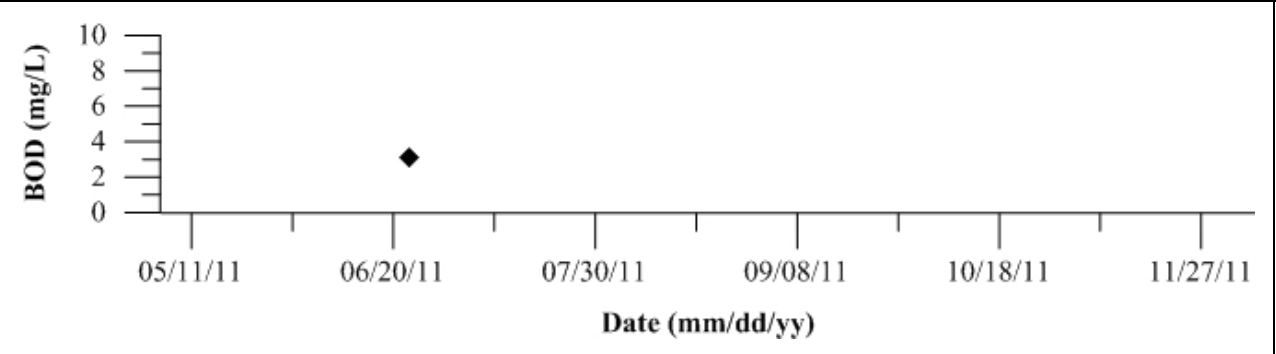


Figure 721: Biochemical Oxygen Demand (BOD) for Site 44 San Luis Drain End. Data collected in 2011.

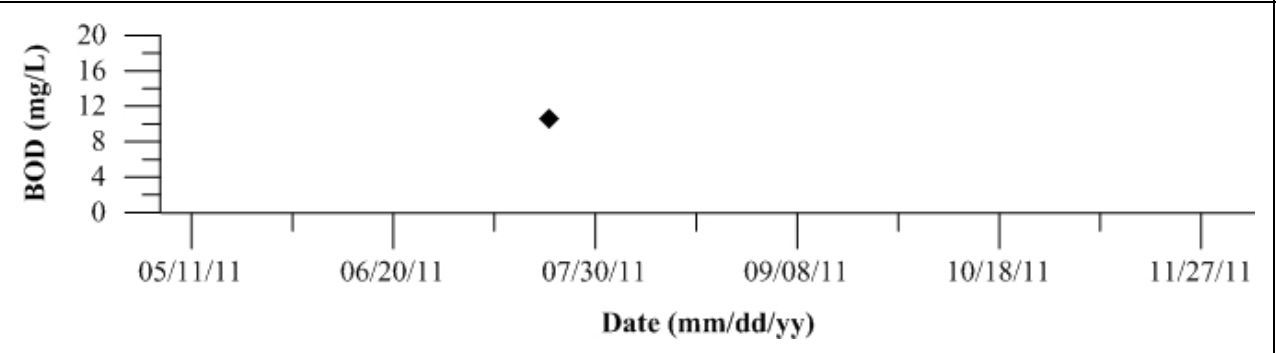


Figure 722: Biochemical Oxygen Demand (BOD) for Site 57 Ramona Lake. Data collected in 2011.

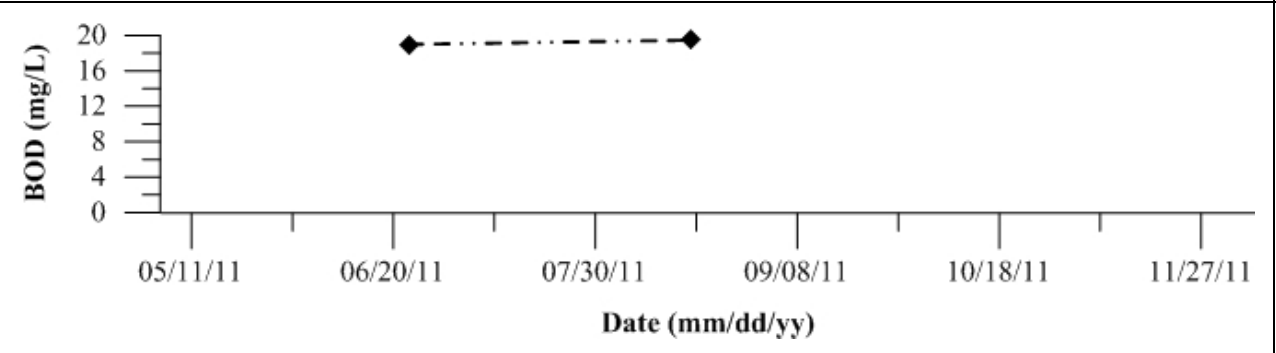


Figure 723: Biochemical Oxygen Demand (BOD) for Site 127 SJR at Brant Bridge. Data collected in 2011.

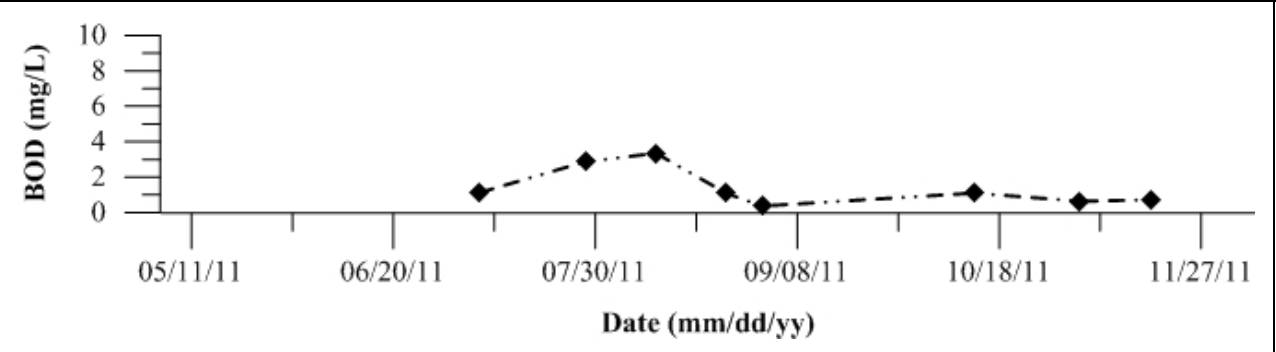


Figure 724: Biochemical Oxygen Demand (BOD) for Site 402 Light 18 (Node 96). Data collected in 2011.

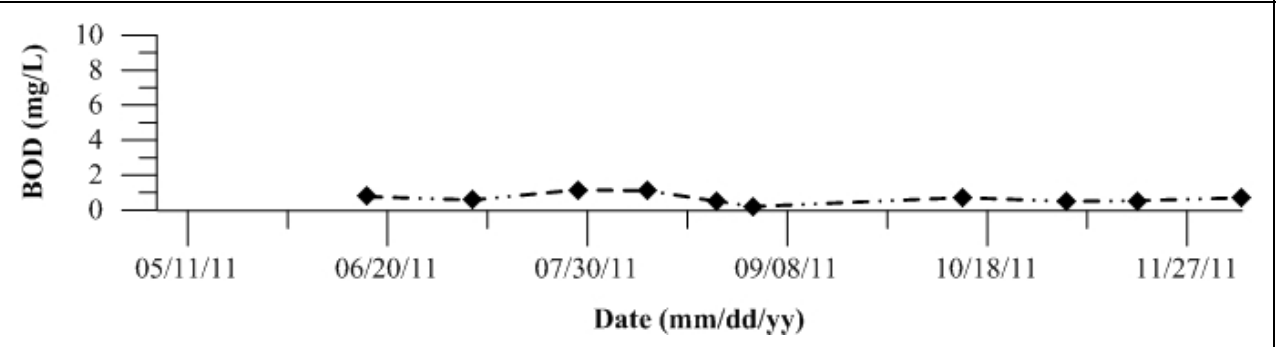


Figure 725: Biochemical Oxygen Demand (BOD) for Site 405 Calaveras River. Data collected in 2011.

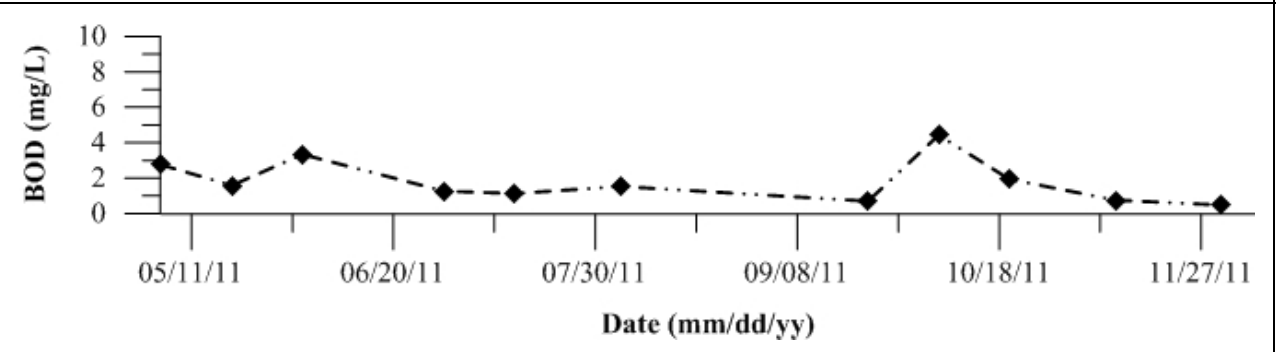


Figure 726: Biochemical Oxygen Demand (BOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

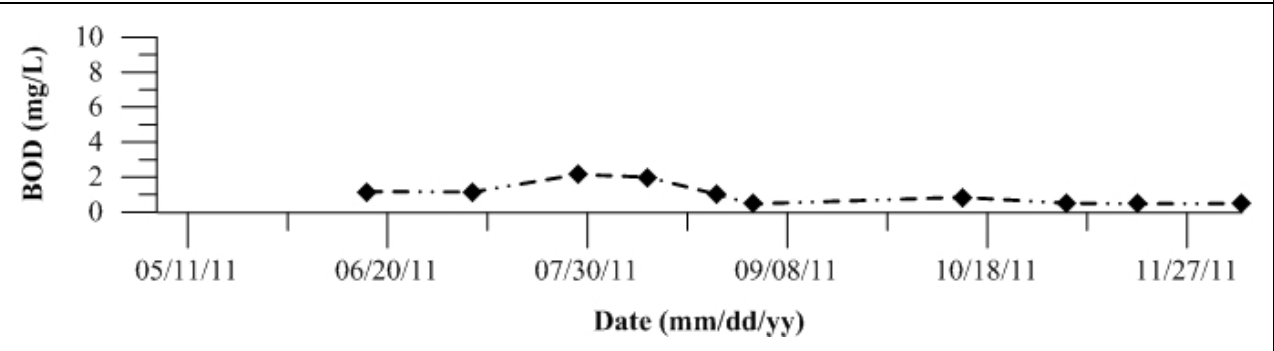


Figure 727: Biochemical Oxygen Demand (BOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

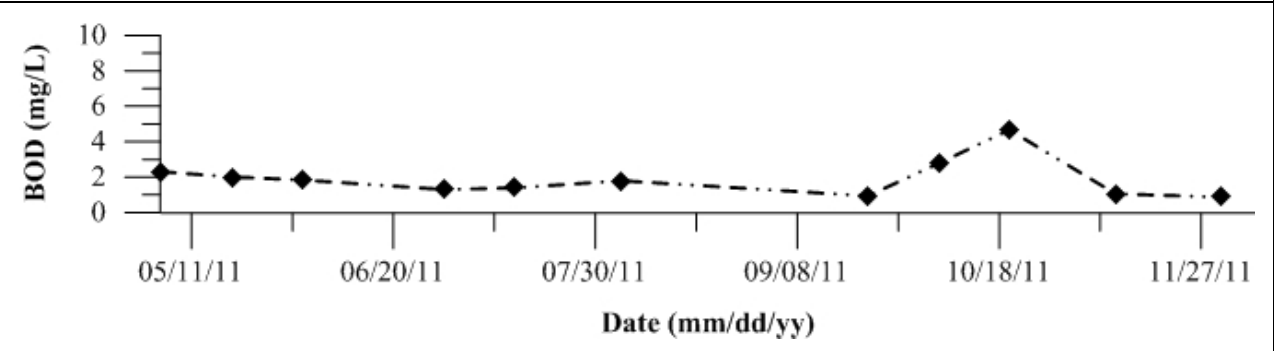


Figure 728: Biochemical Oxygen Demand (BOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

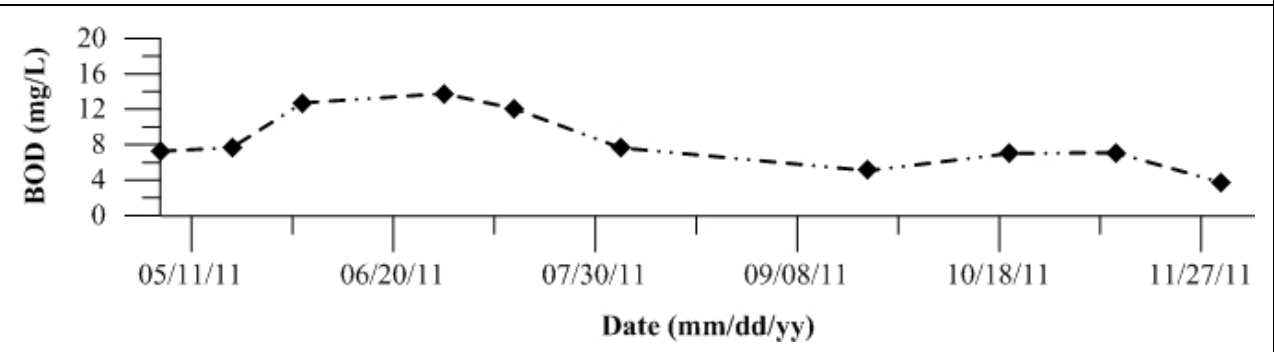


Figure 729: Biochemical Oxygen Demand (BOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

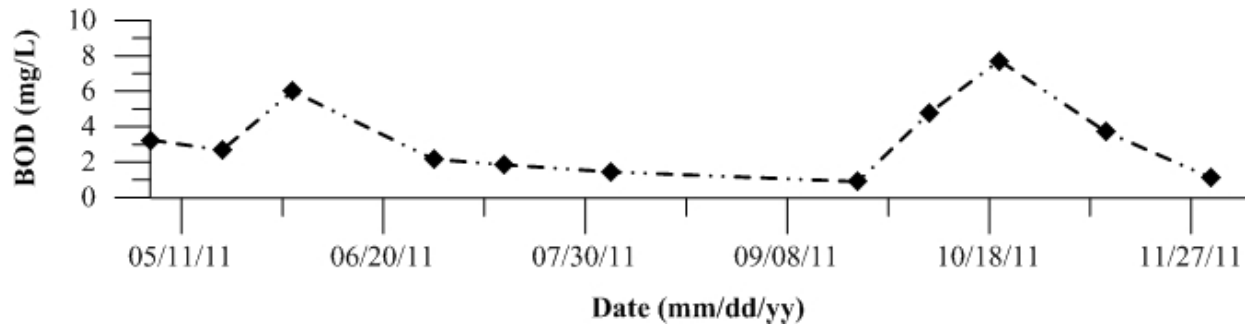


Figure 730: Biochemical Oxygen Demand (BOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

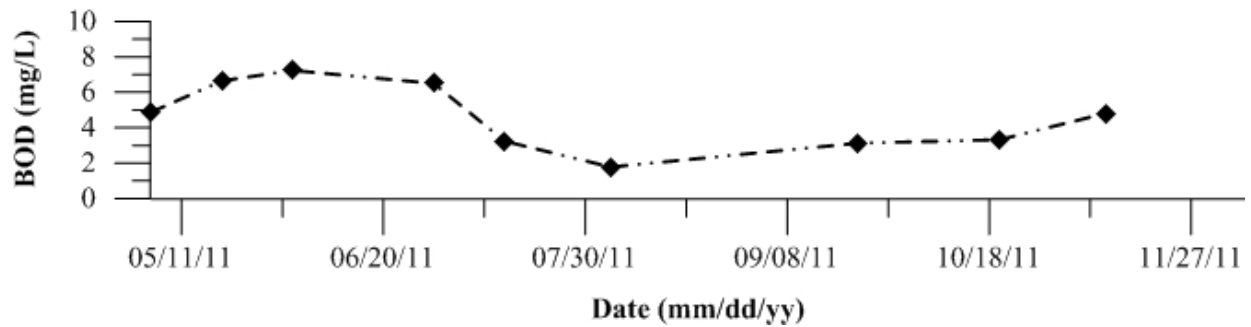


Figure 731: Biochemical Oxygen Demand (BOD) for Site 424 14mi Slough. Data collected in 2011.

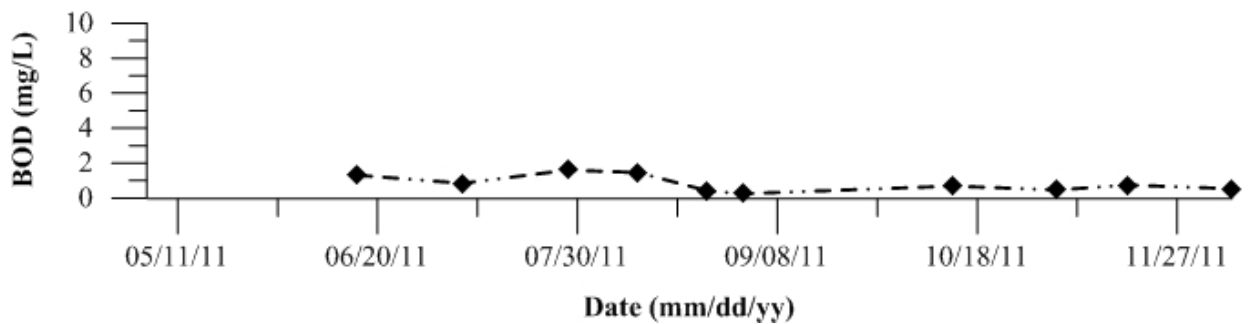


Figure 732: Biochemical Oxygen Demand (BOD) for Site 425 Turner Cut. Data collected in 2011.

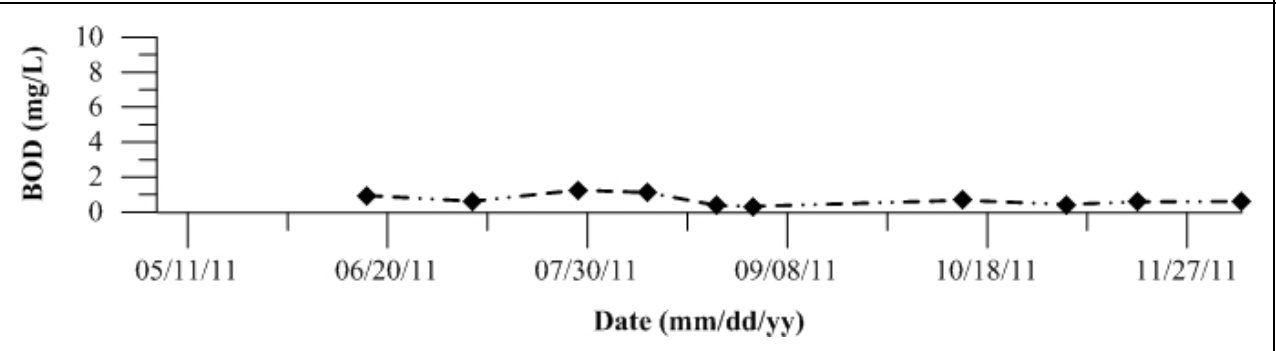


Figure 733: Biochemical Oxygen Demand (BOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

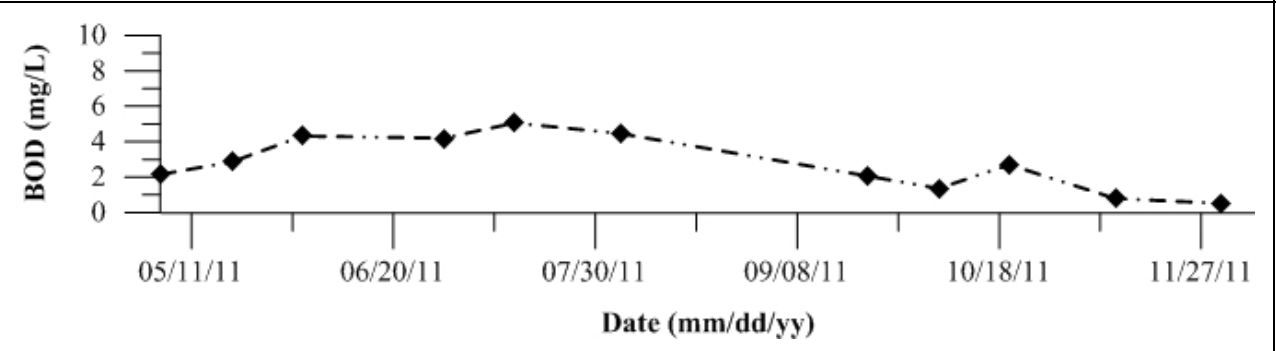


Figure 734: Biochemical Oxygen Demand (BOD) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

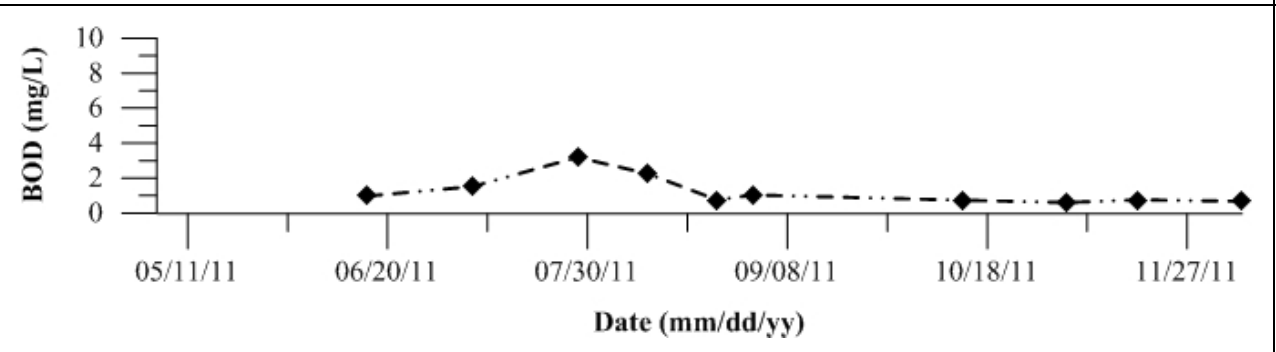


Figure 735: Biochemical Oxygen Demand (BOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

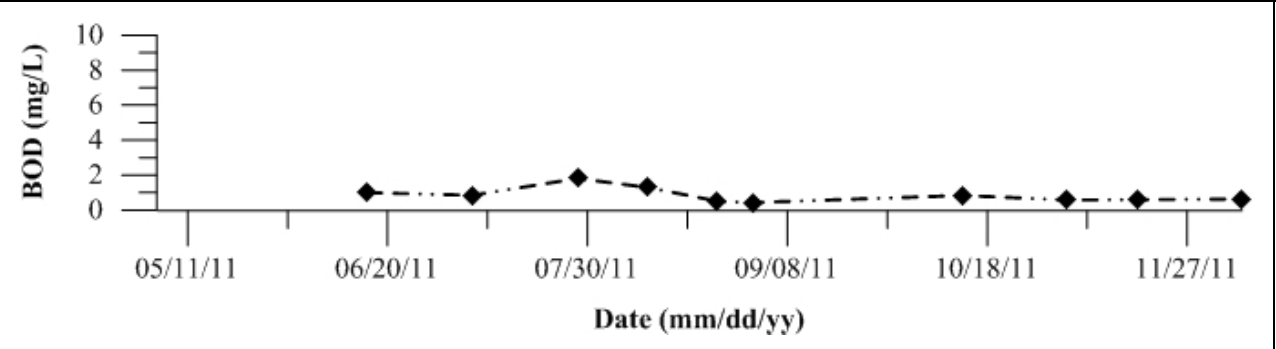
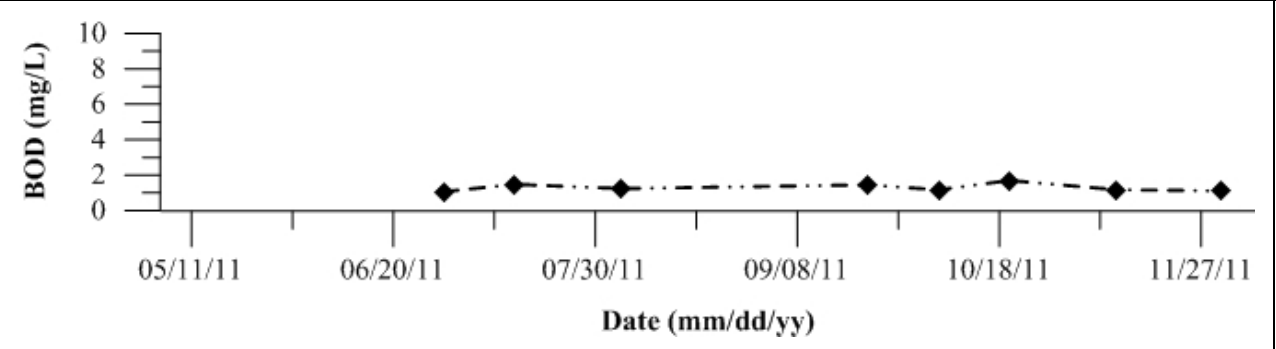


Figure 736: Biochemical Oxygen Demand (BOD) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 737-768: Temporal plots of Carbonaceous Biochemical Oxygen Demand (CBOD) by Site ID

Figure 737: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

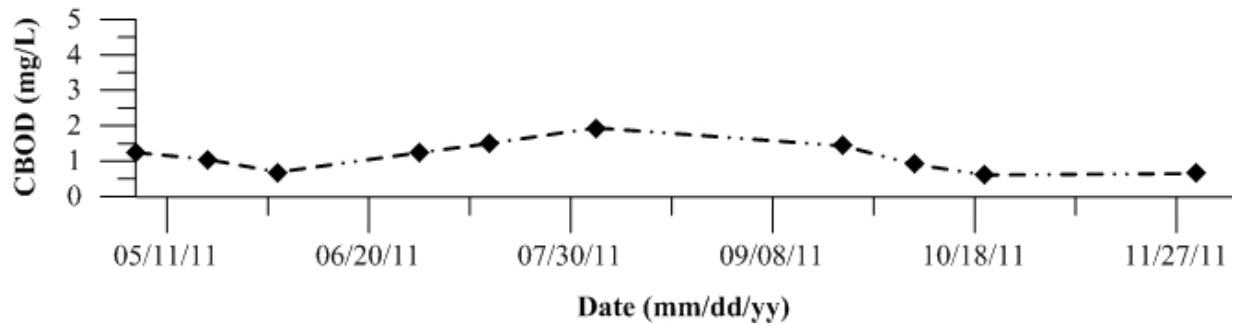


Figure 738: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 4 SJR at Mossdale. Data collected in 2011.

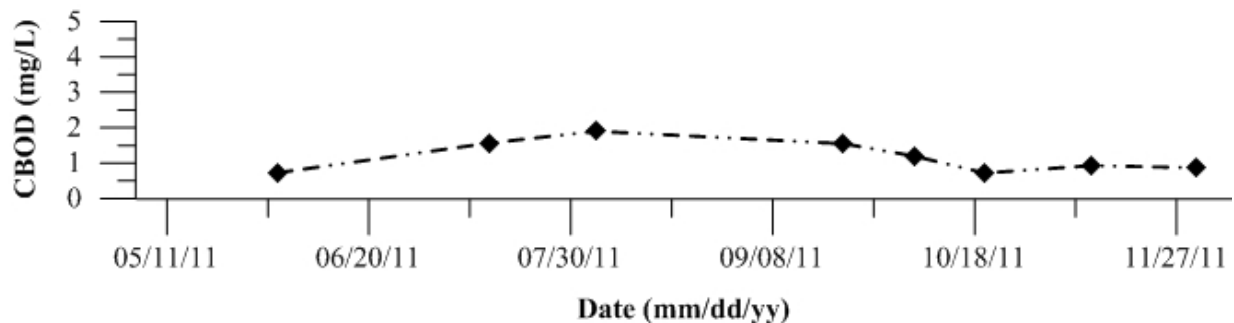


Figure 739: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 5 SJR at McCune Station. Data collected in 2011.

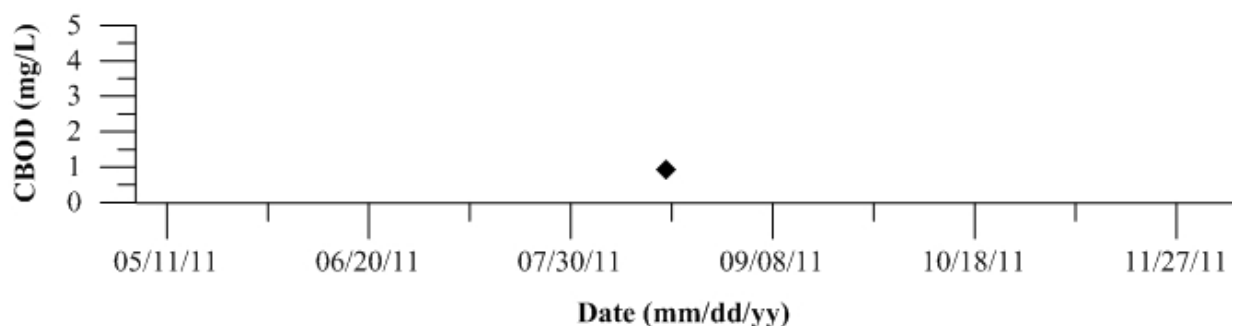


Figure 740: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 7 SJR at Patterson. Data collected in 2011.

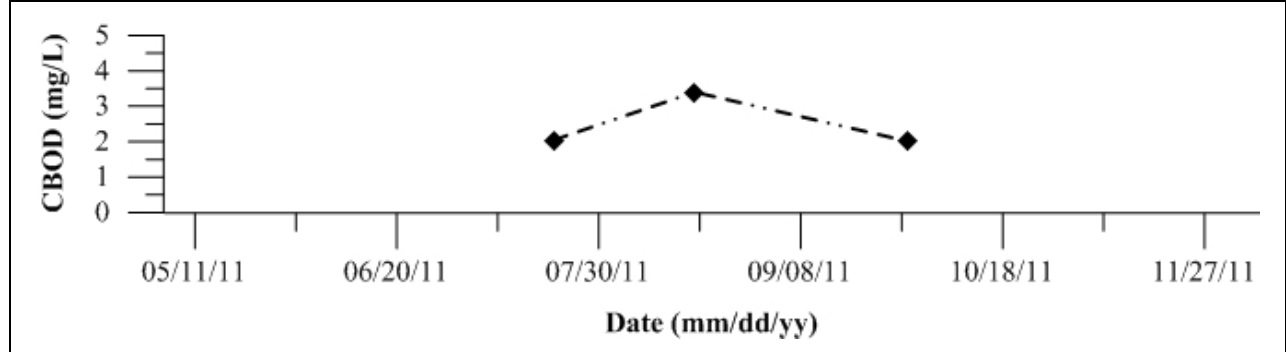


Figure 741: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 10 SJR at Lander Avenue. Data collected in 2011.

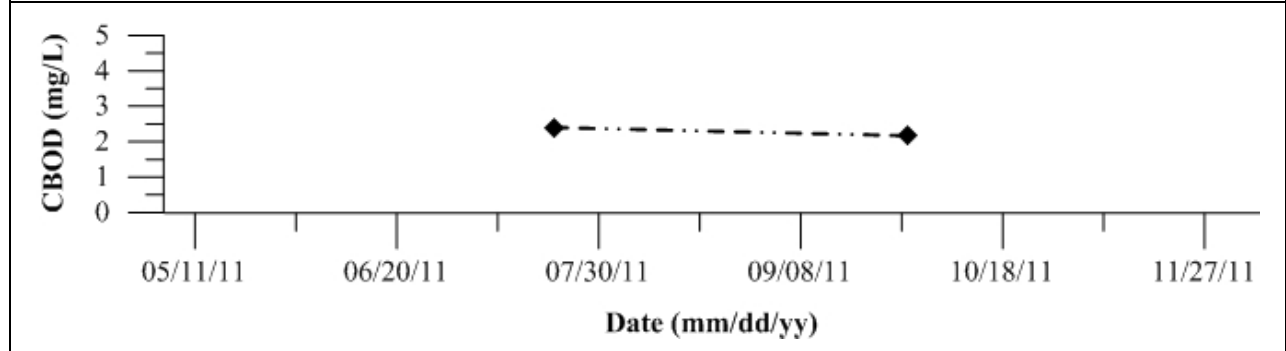


Figure 742: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 11 French Camp Slough. Data collected in 2011.

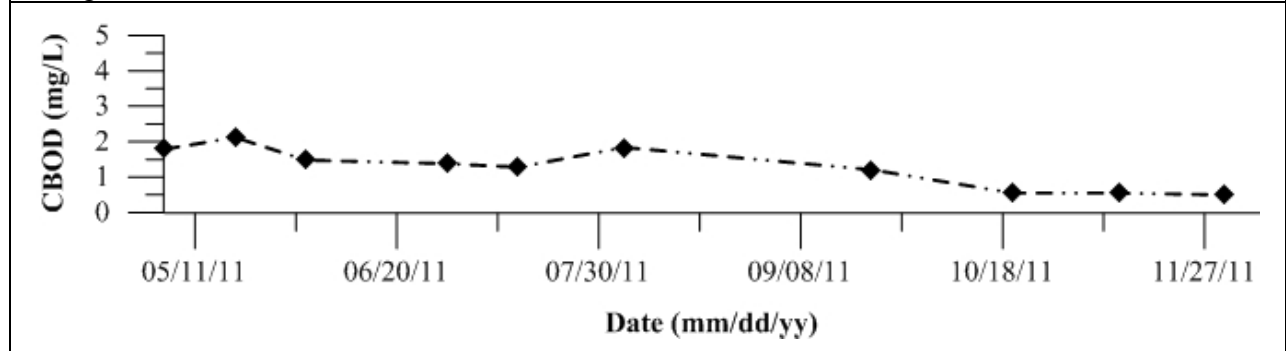


Figure 743: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

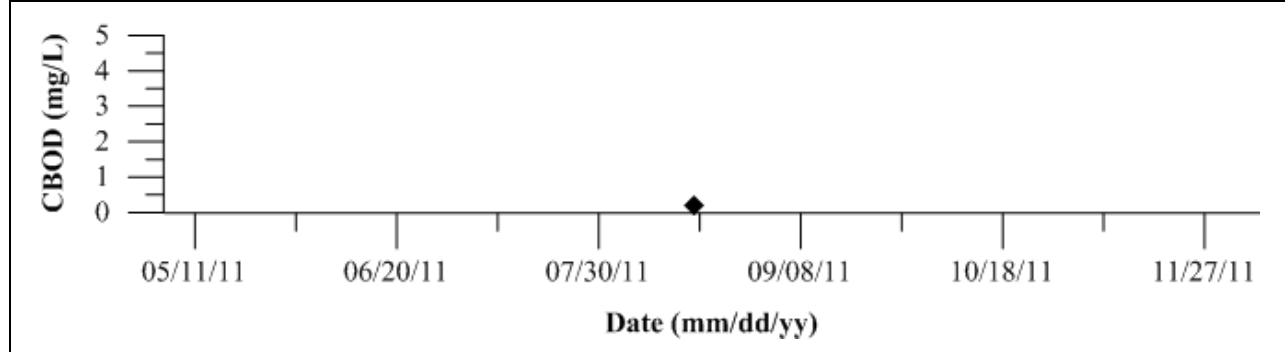


Figure 744: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

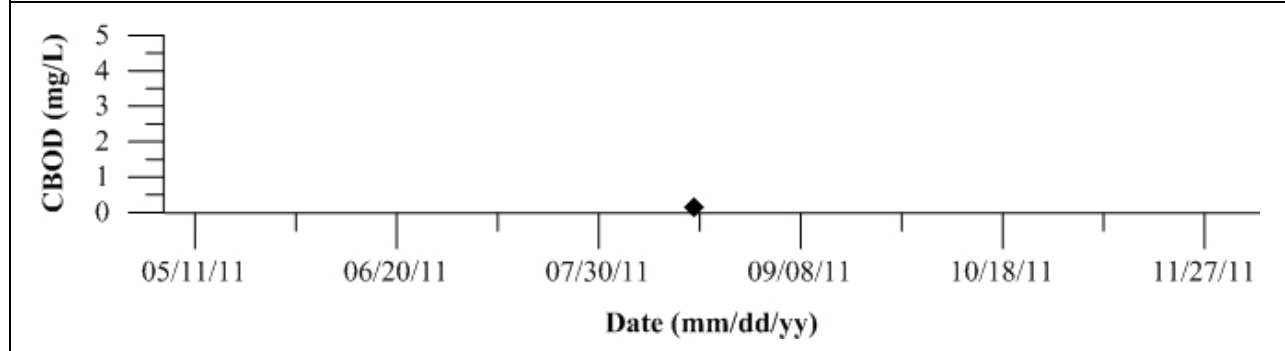


Figure 745: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 16 Merced River at River Road. Data collected in 2011.

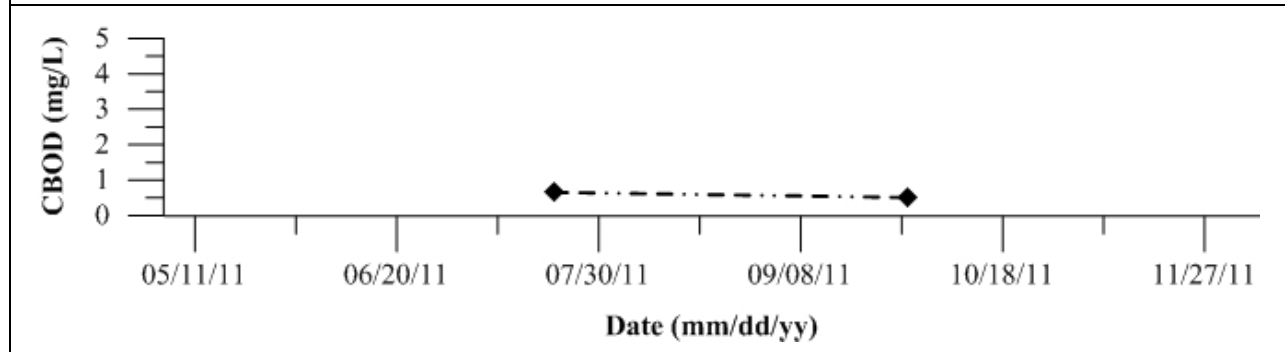


Figure 746: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 18 Mud Slough near Gustine. Data collected in 2011.

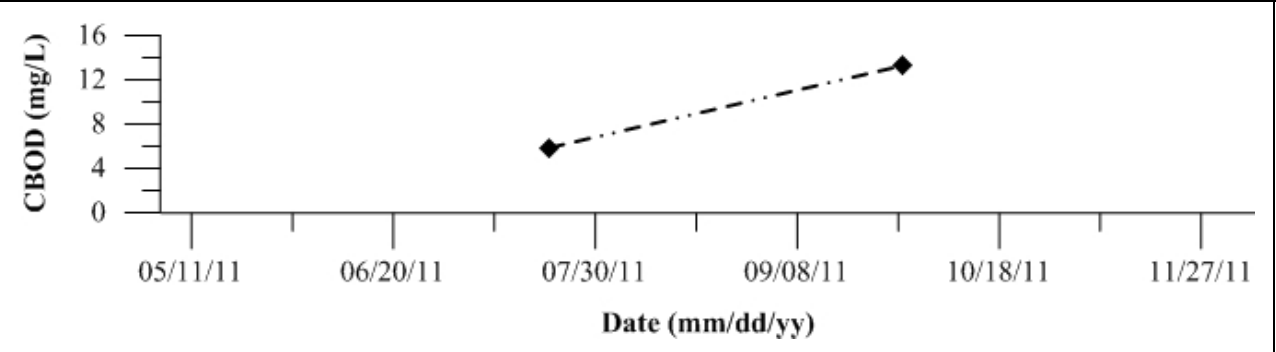


Figure 747: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

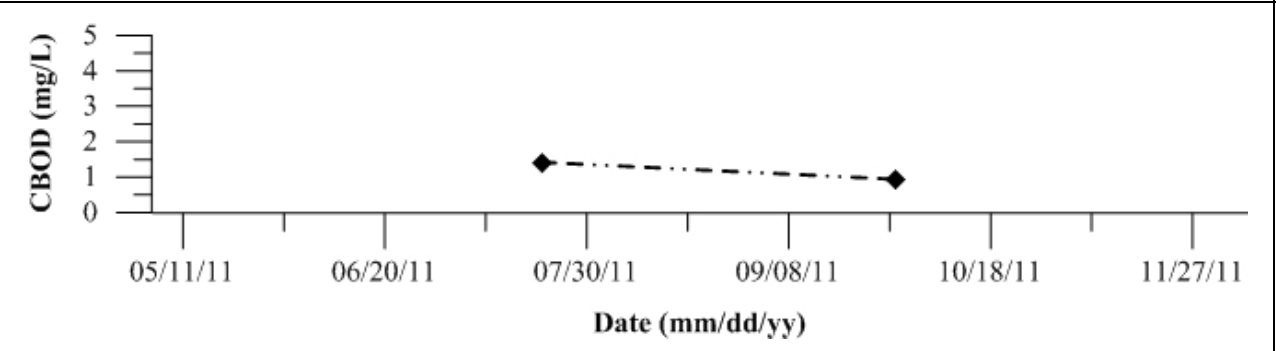


Figure 748: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

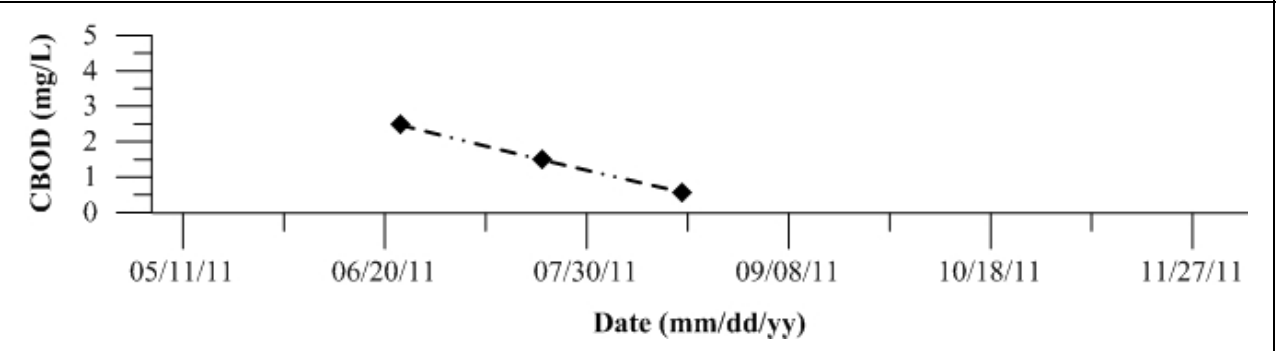


Figure 749: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

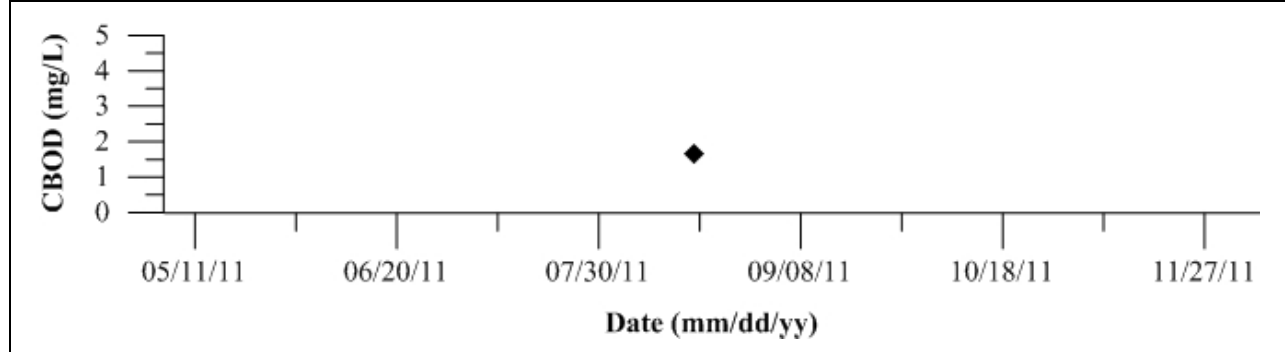


Figure 750: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

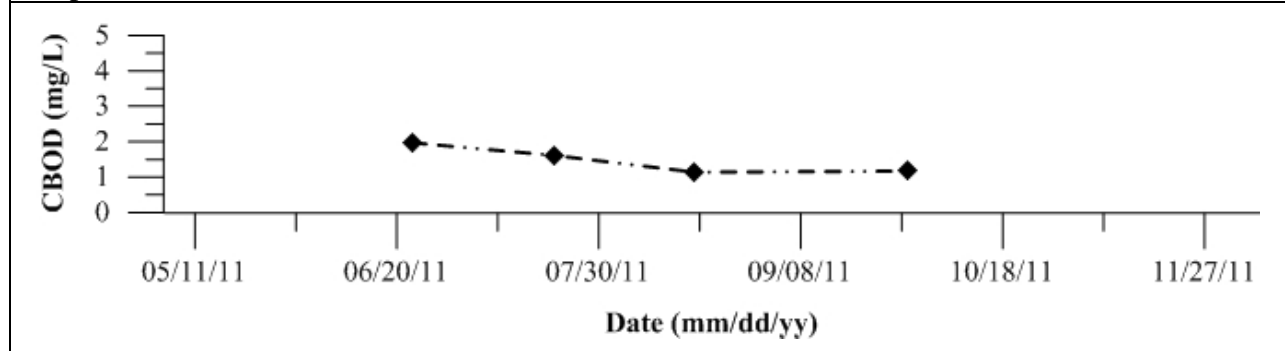


Figure 751: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 34 Ingram Creek. Data collected in 2011.

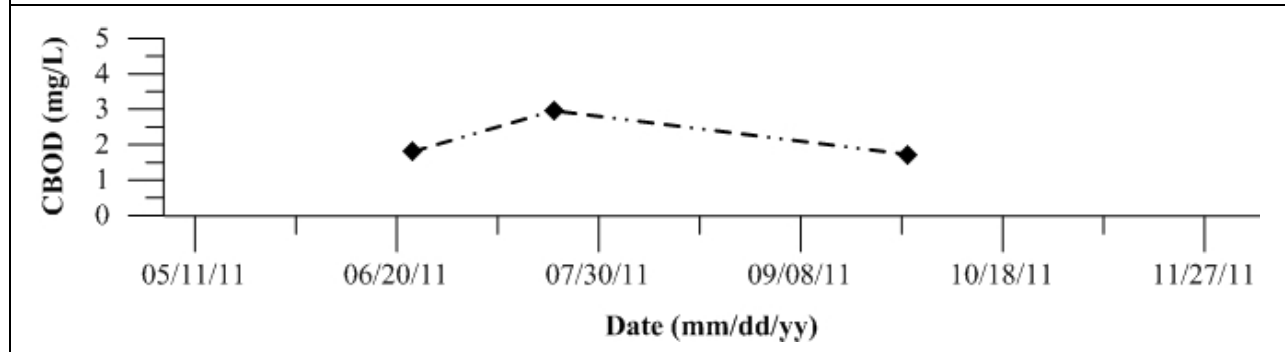


Figure 752: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 36 Del Puerto Creek. Data collected in 2011.

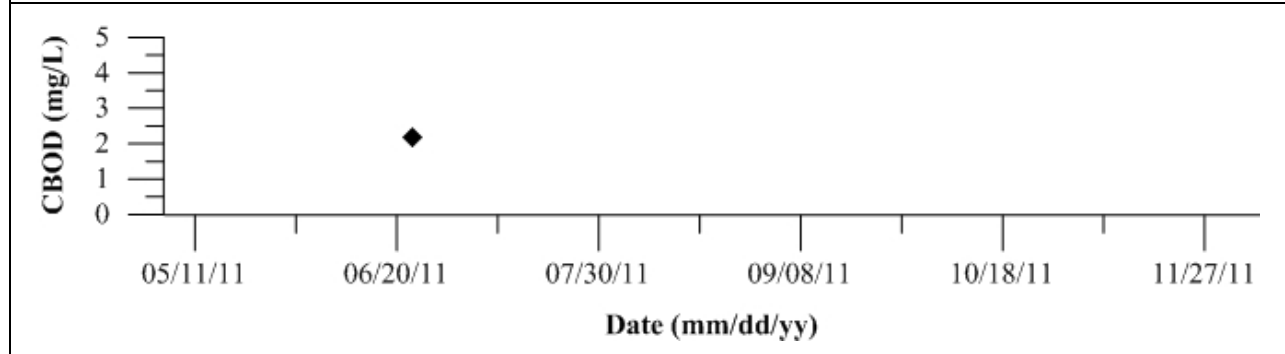


Figure 753: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 44 San Luis Drain End. Data collected in 2011.

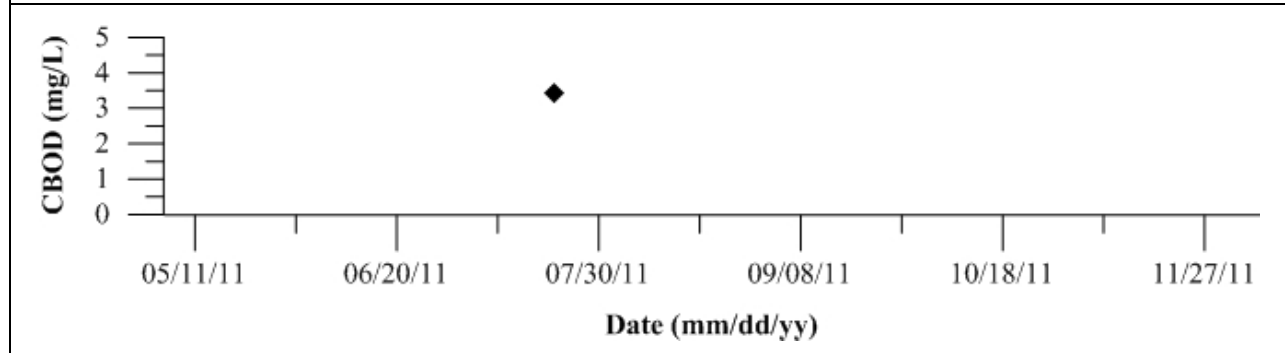


Figure 754: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 57 Ramona Lake. Data collected in 2011.

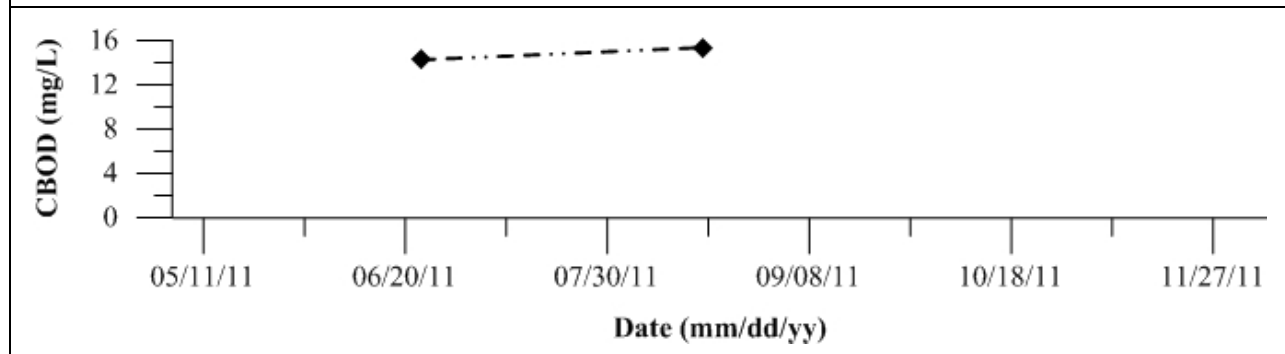


Figure 755: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 127 SJR at Brant Bridge. Data collected in 2011.

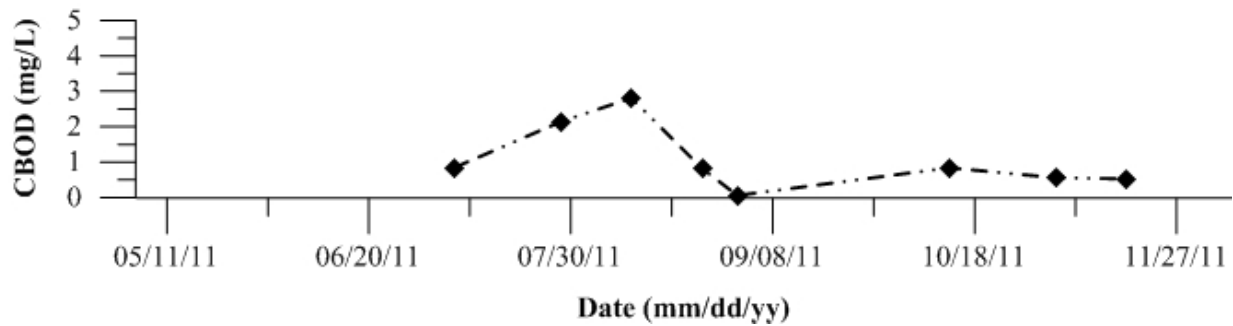


Figure 756: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 402 Light 18 (Node 96). Data collected in 2011.

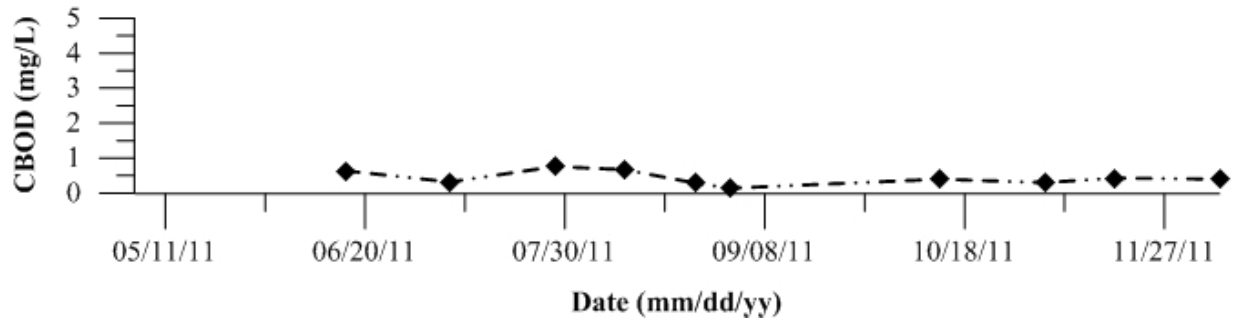


Figure 757: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 405 Calaveras River. Data collected in 2011.

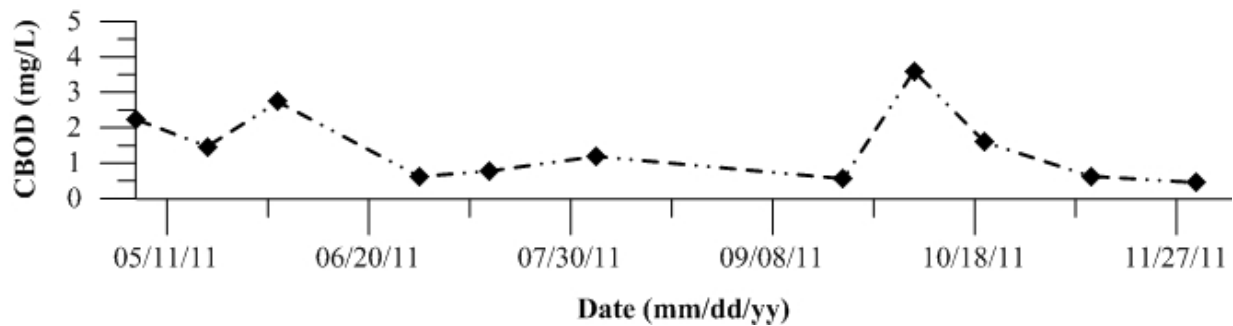


Figure 758: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

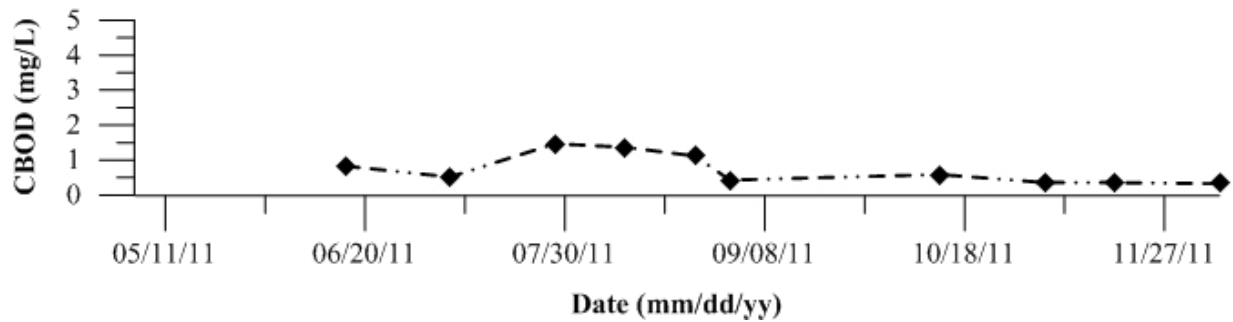


Figure 759: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

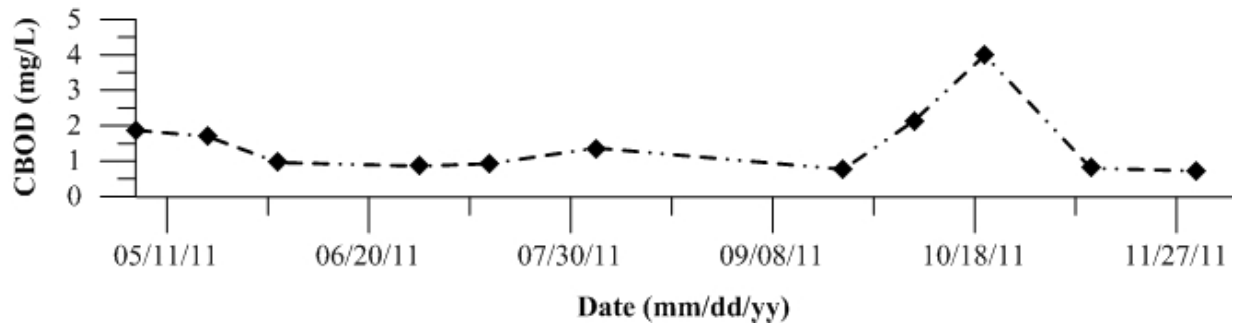


Figure 760: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

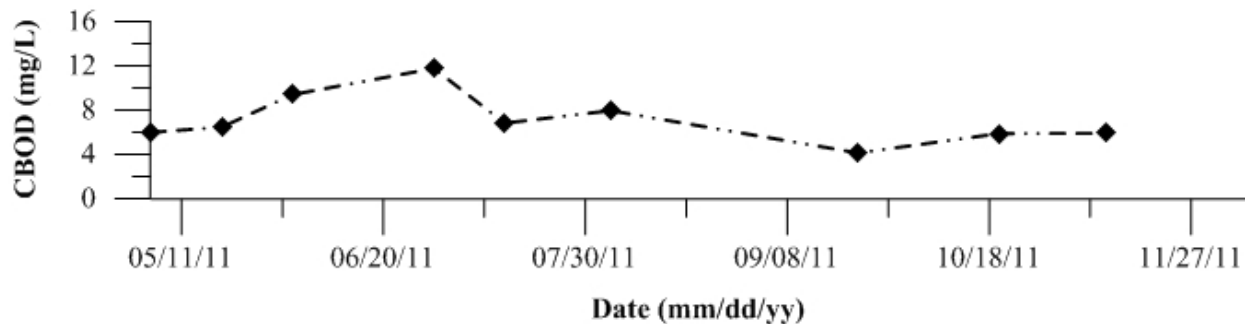


Figure 761: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

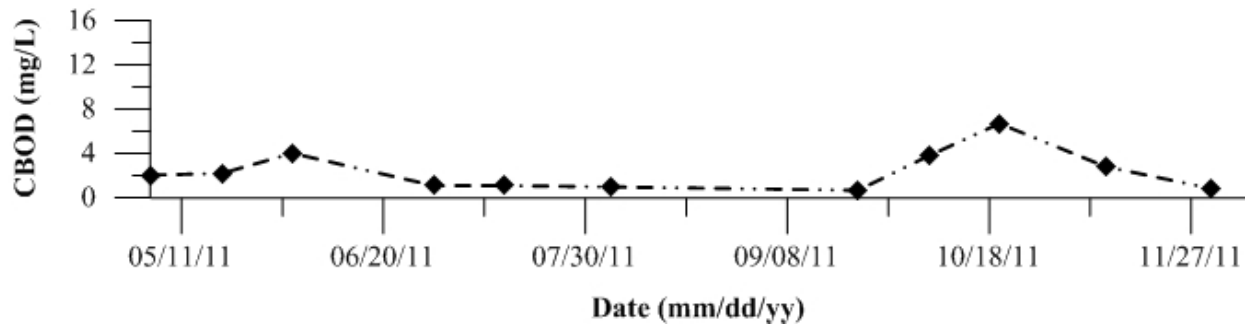


Figure 762: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

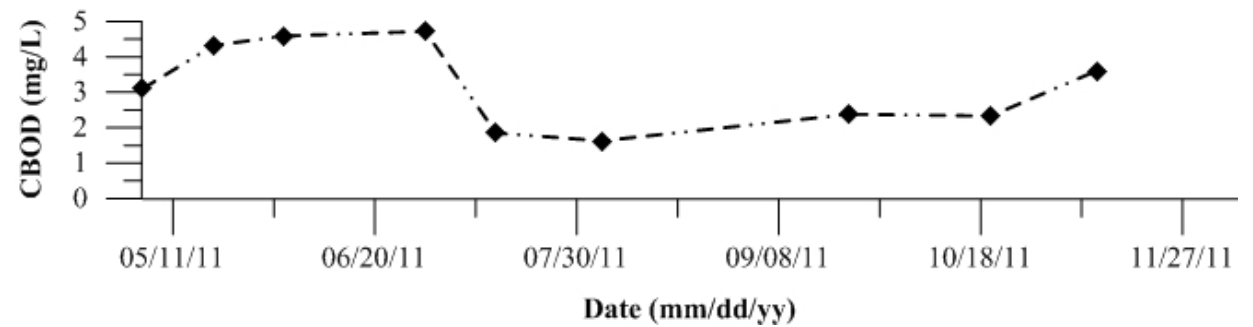


Figure 763: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 424 14mi Slough. Data collected in 2011.

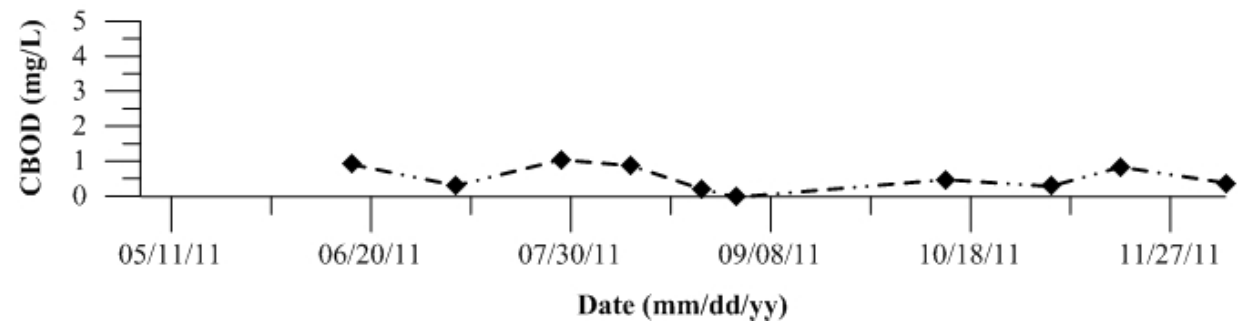


Figure 764: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 425 Turner Cut. Data collected in 2011.

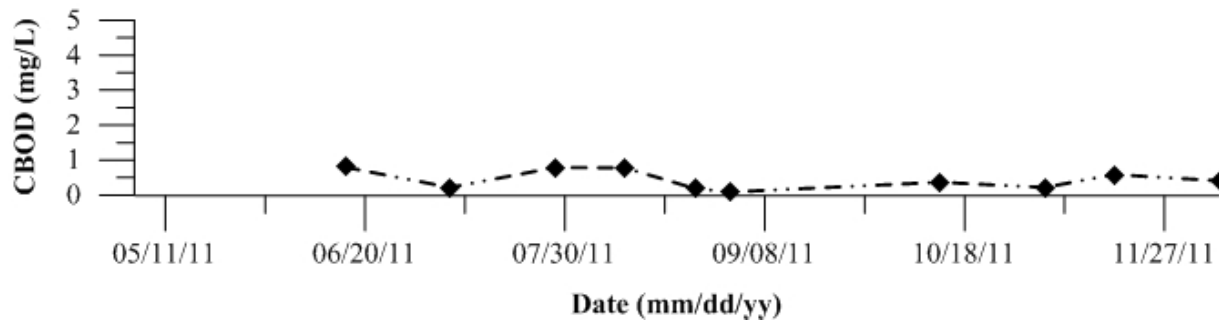


Figure 765: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

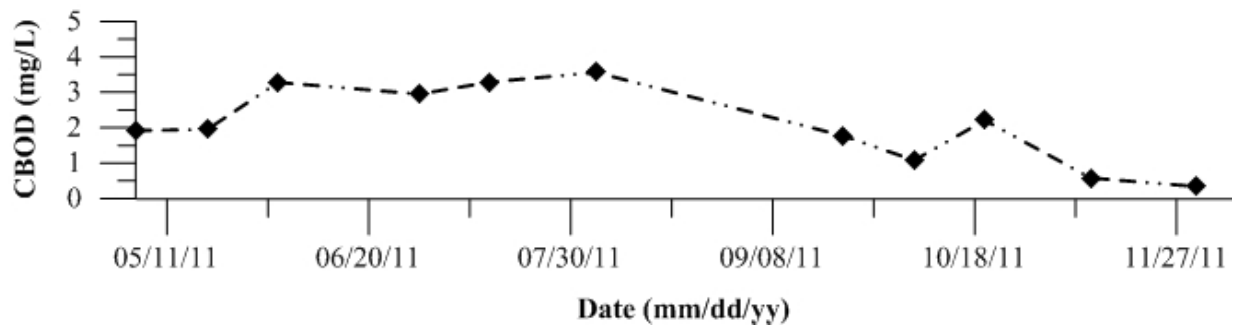


Figure 766: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

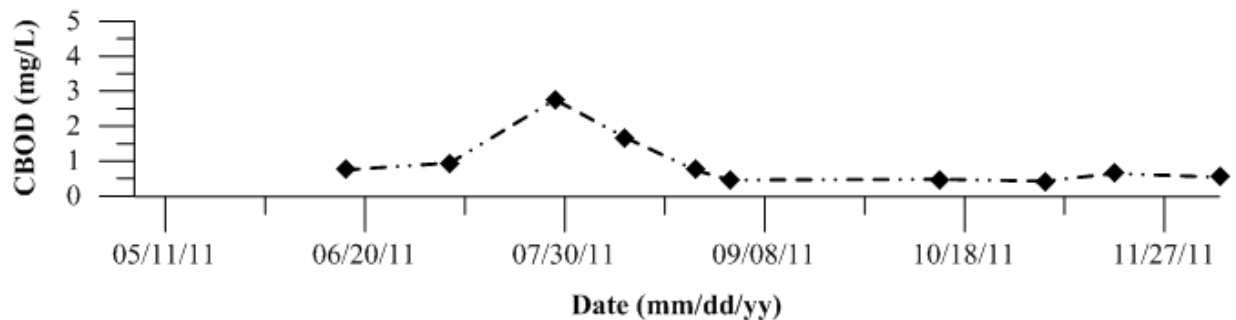


Figure 767: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

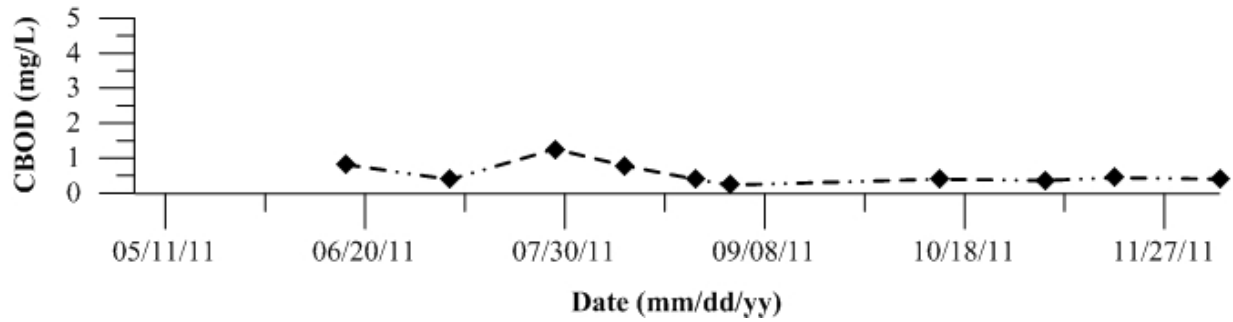
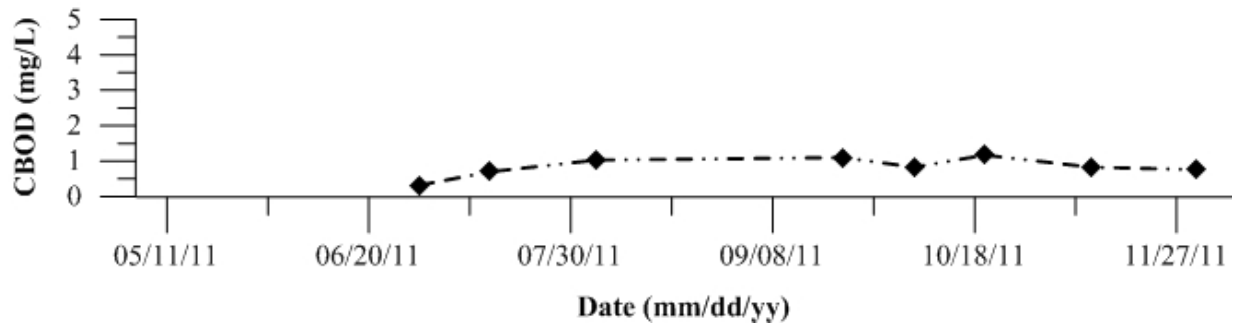


Figure 768: Carbonaceous Biochemical Oxygen Demand (CBOD) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 769-800: Temporal plots of Nitrogenous Biochemical Oxygen Demand (NBOD) by Site ID

Figure 769: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 2 SJR at Dos Reis Park. Data collected in 2011.

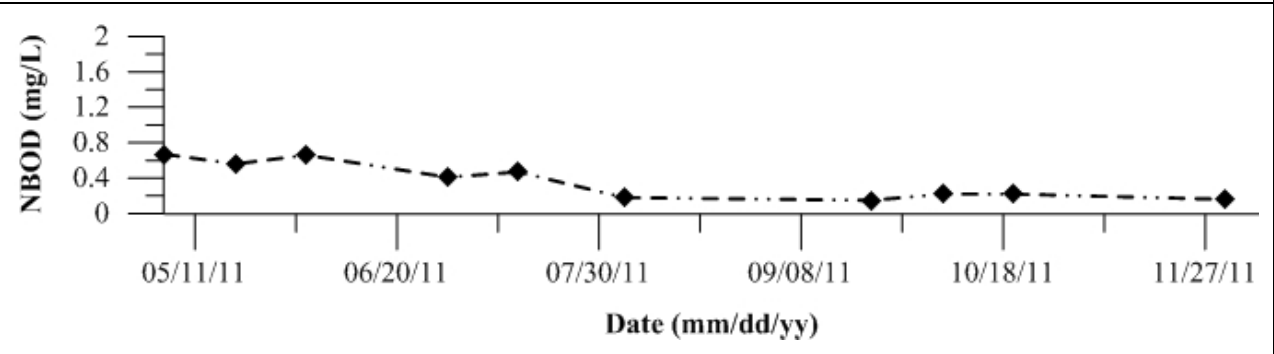


Figure 770: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 4 SJR at Mossdale. Data collected in 2011.

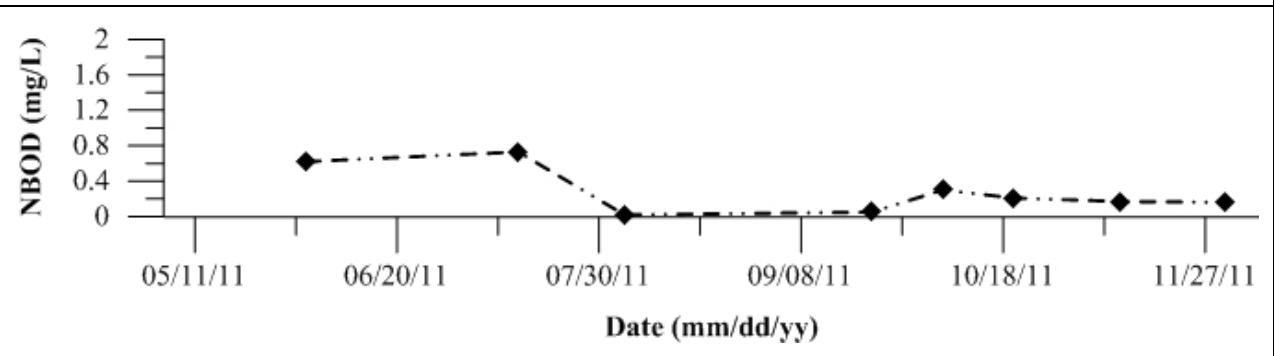


Figure 771: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 5 SJR at McCune Station. Data collected in 2011.

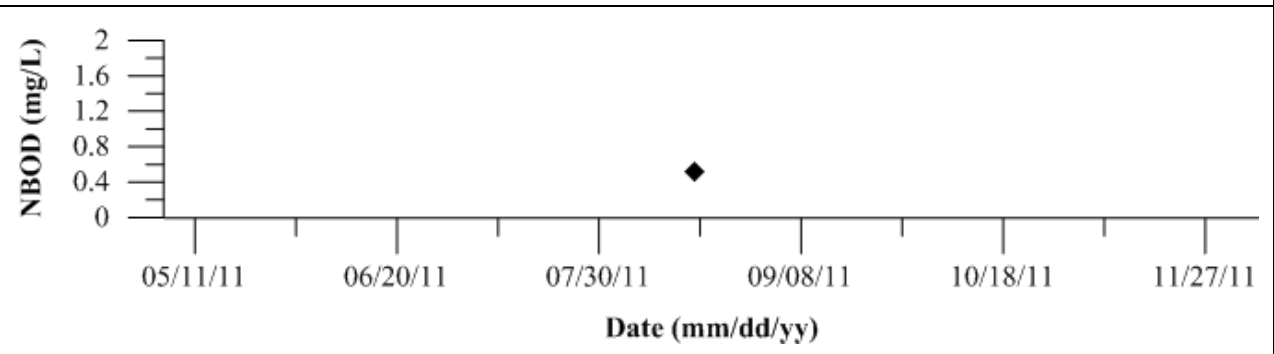


Figure 772: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 7 SJR at Patterson. Data collected in 2011.

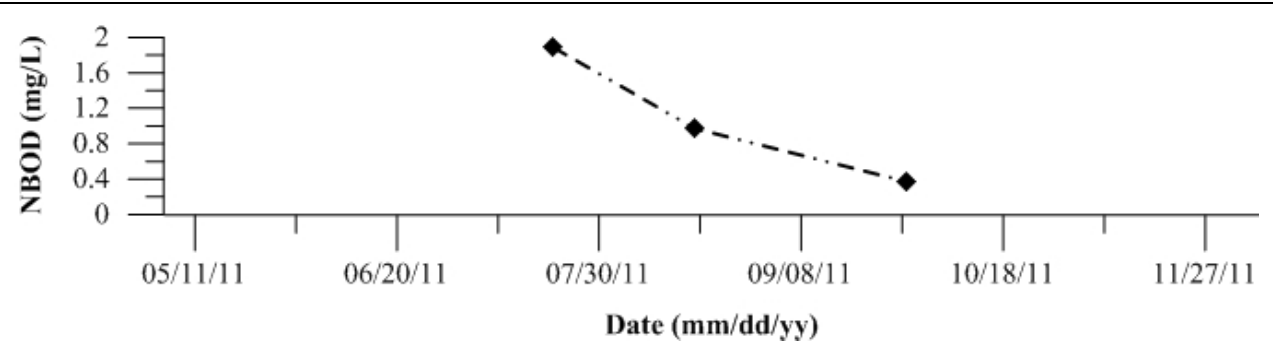


Figure 773: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 10 SJR at Lander Avenue. Data collected in 2011.

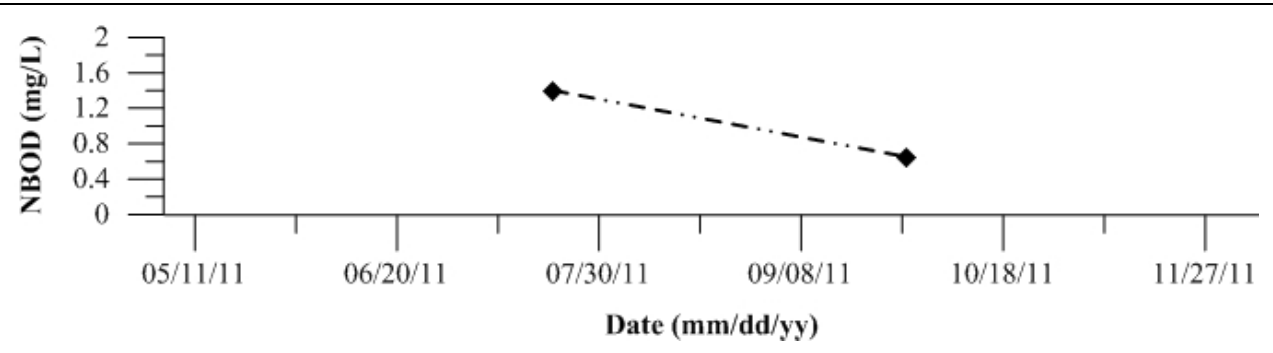


Figure 774: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 11 French Camp Slough. Data collected in 2011.

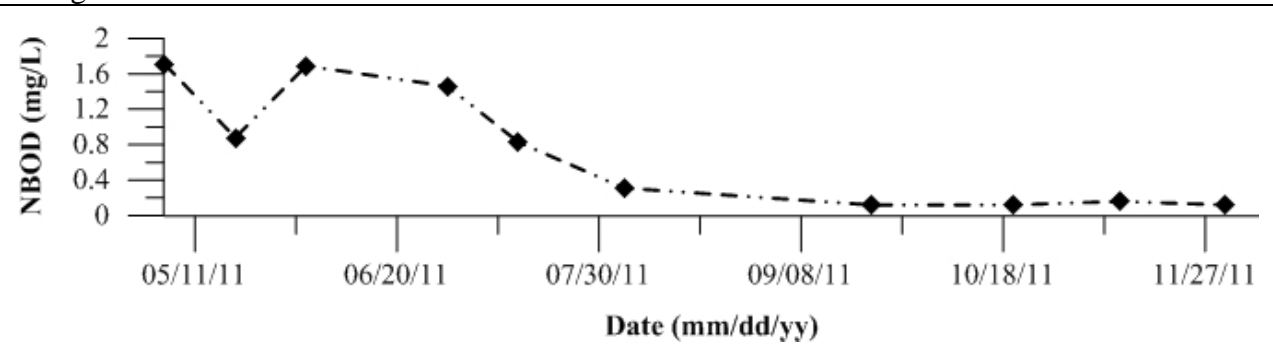


Figure 775: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

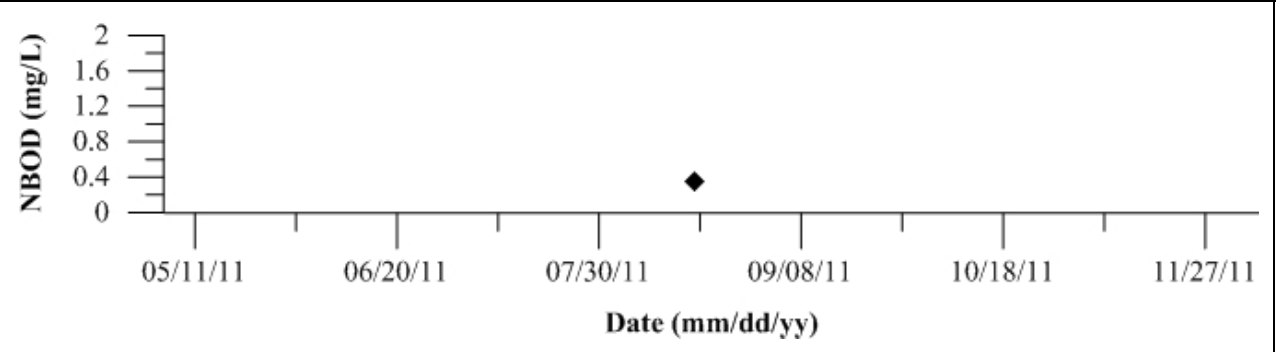


Figure 776: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

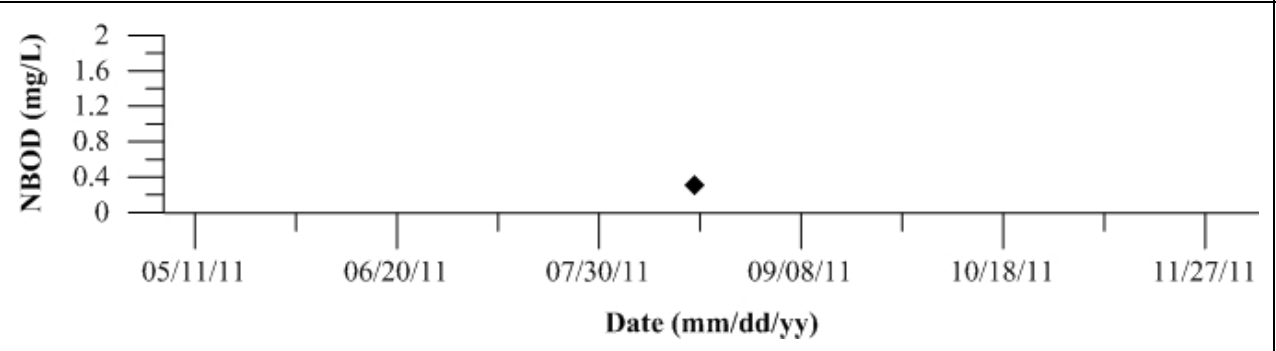


Figure 777: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 16 Merced River at River Road. Data collected in 2011.

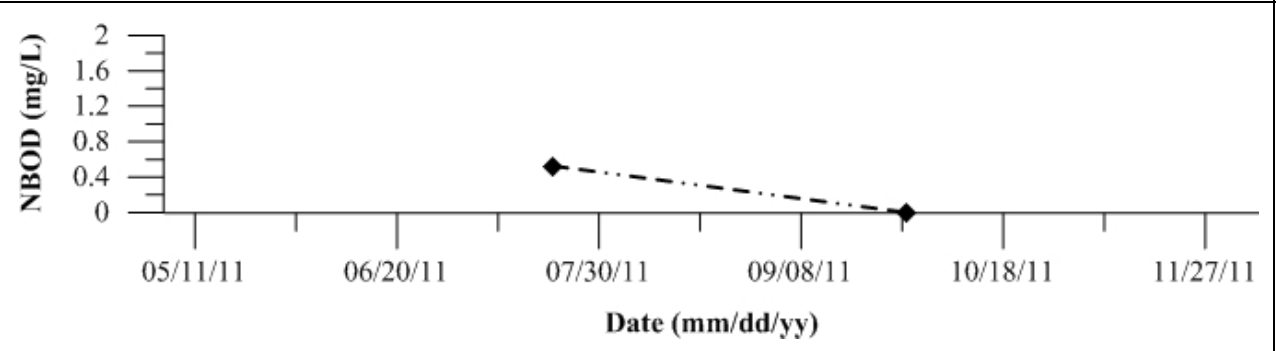


Figure 778: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 18 Mud Slough near Gustine. Data collected in 2011.

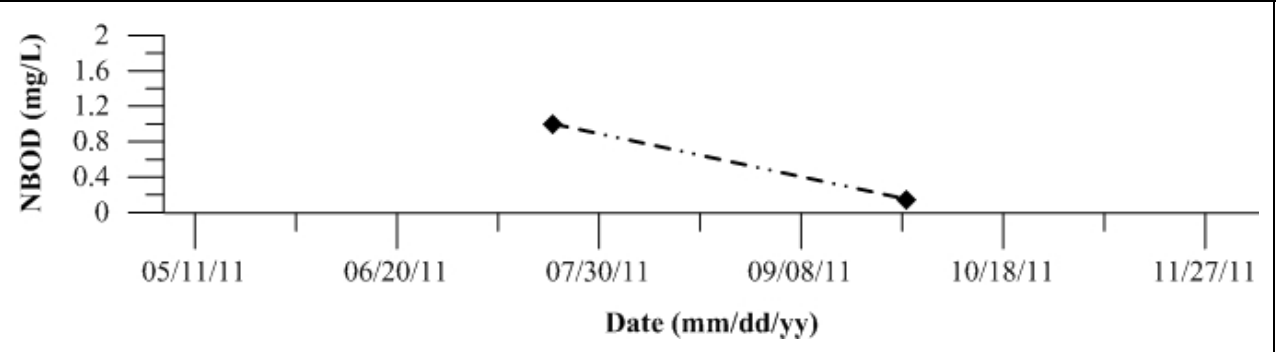


Figure 779: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

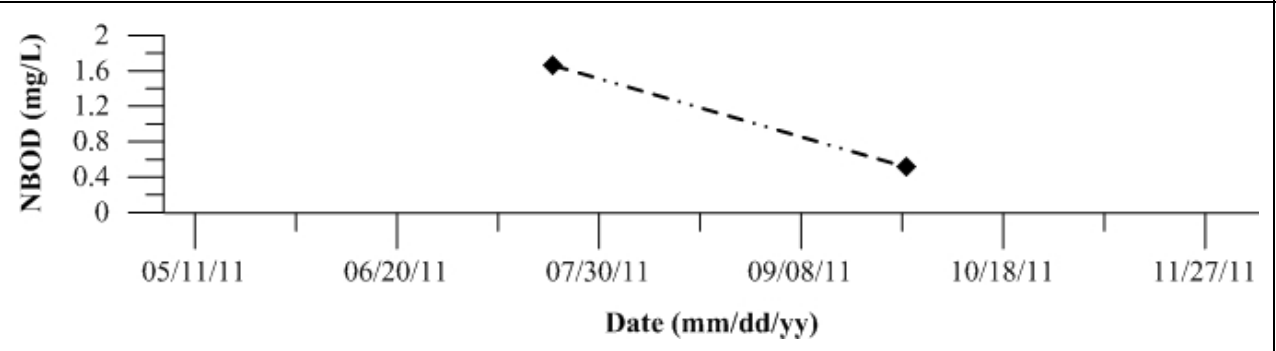


Figure 780: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 21 Orestimba Creek at River Road. Data collected in 2011.

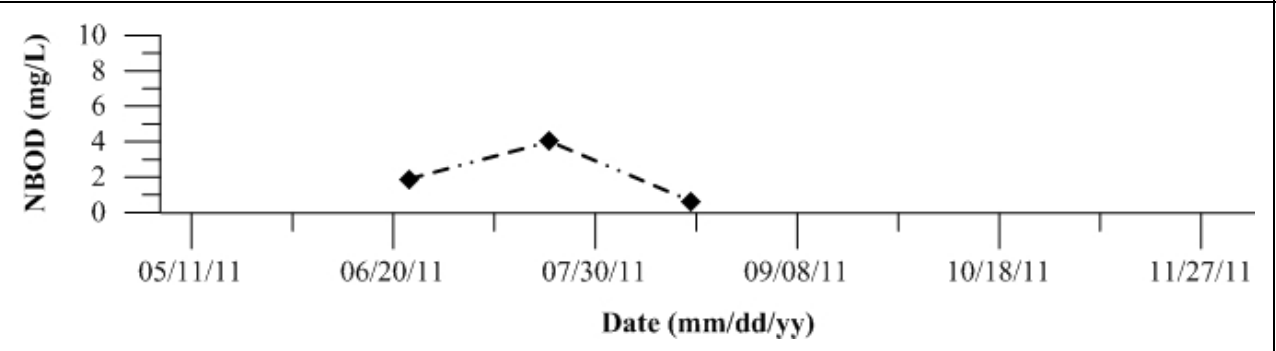


Figure 781: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

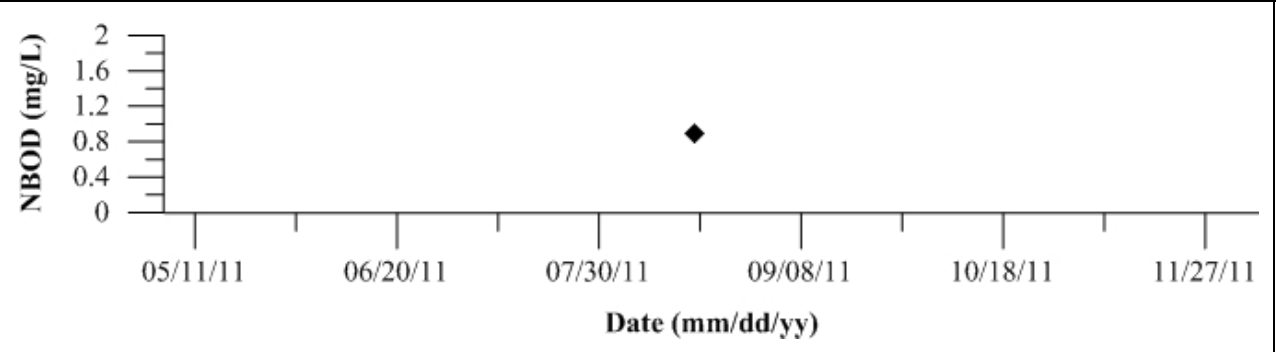


Figure 782: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

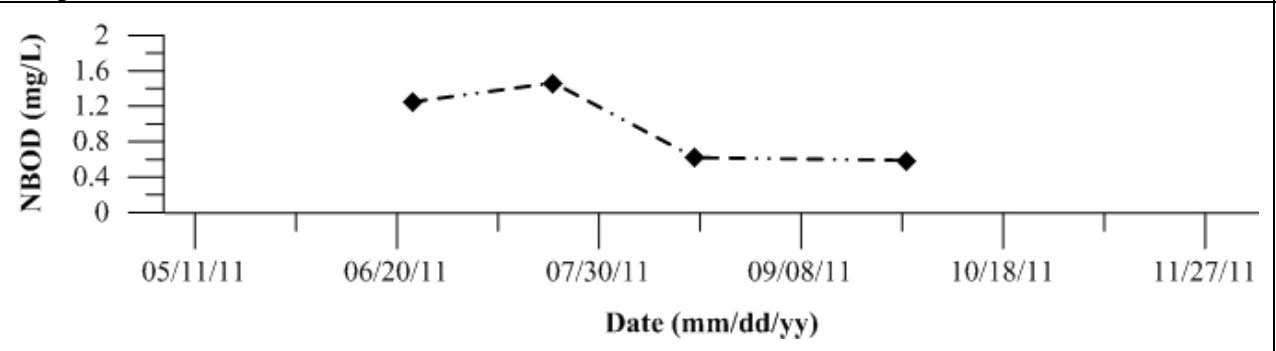


Figure 783: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 34 Ingram Creek. Data collected in 2011.

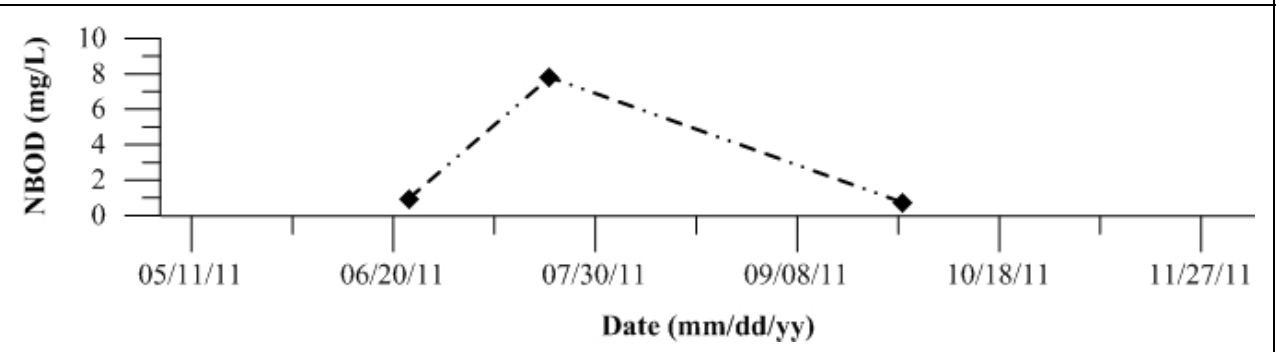


Figure 784: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 36 Del Puerto Creek. Data collected in 2011.

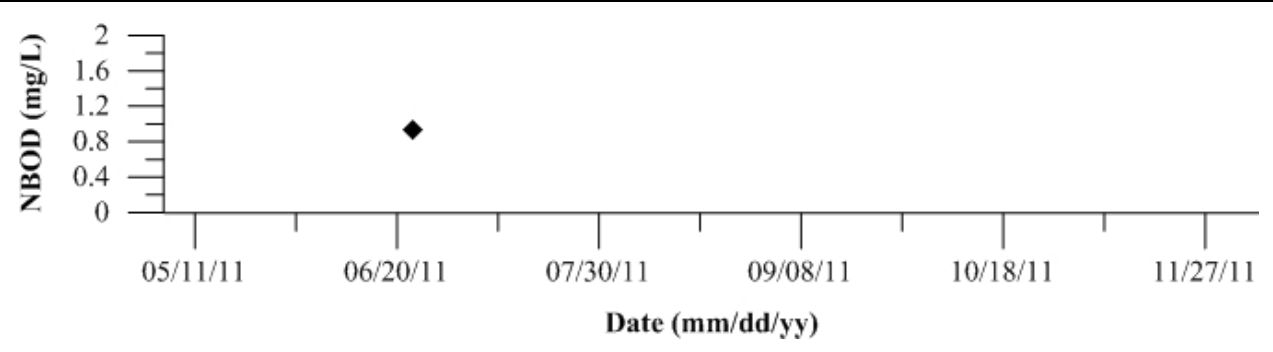


Figure 785: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 44 San Luis Drain End. Data collected in 2011.

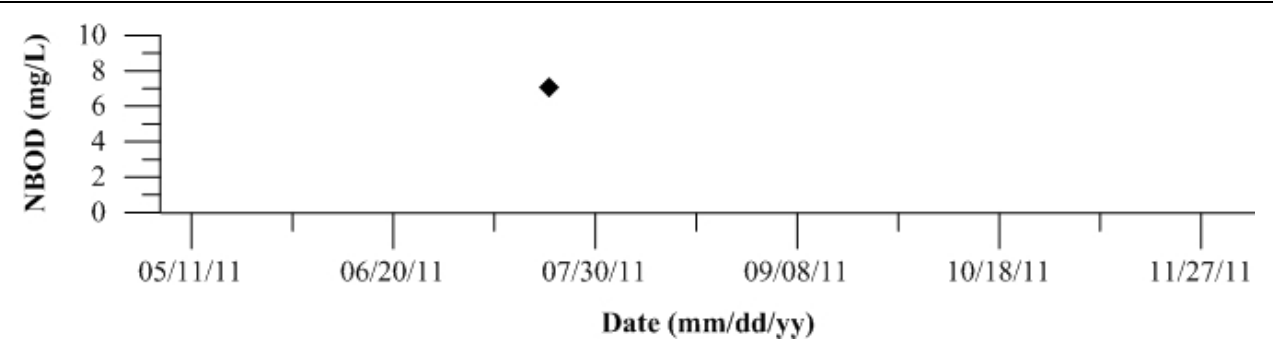


Figure 786: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 57 Ramona Lake. Data collected in 2011.

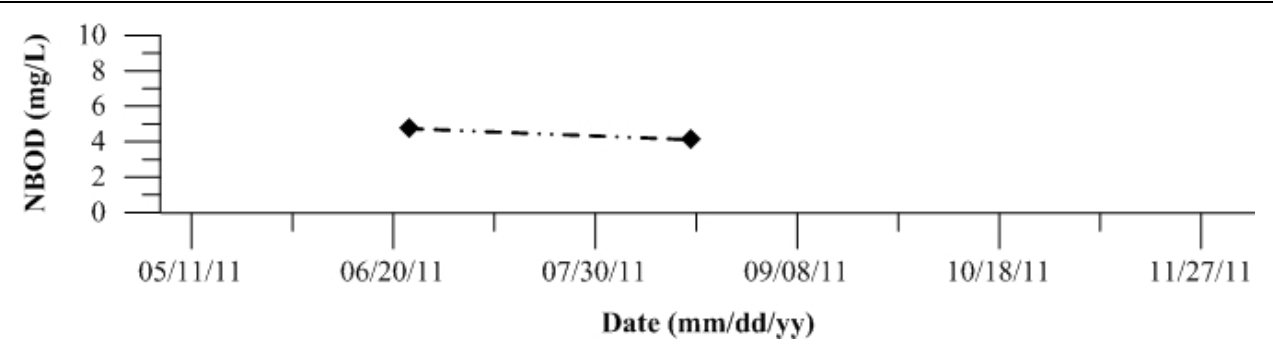


Figure 787: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 127 SJR at Brant Bridge. Data collected in 2011.

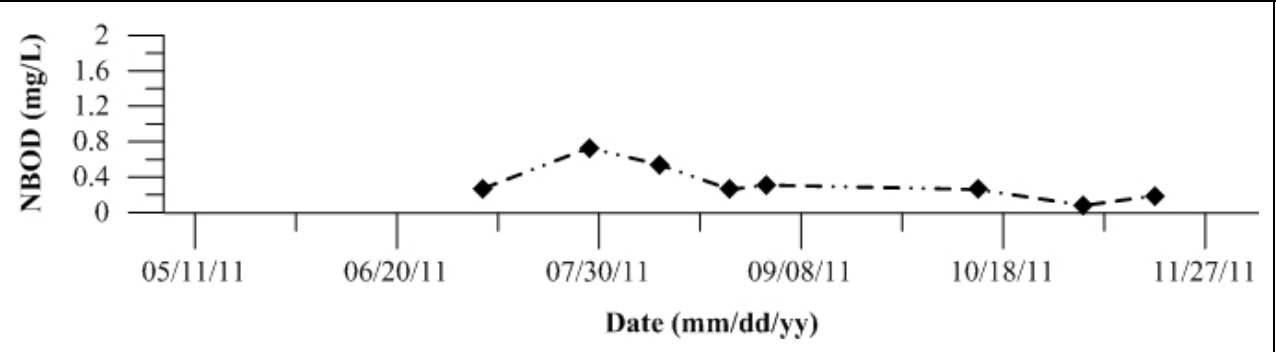


Figure 788: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 402 Light 18 (Node 96). Data collected in 2011.

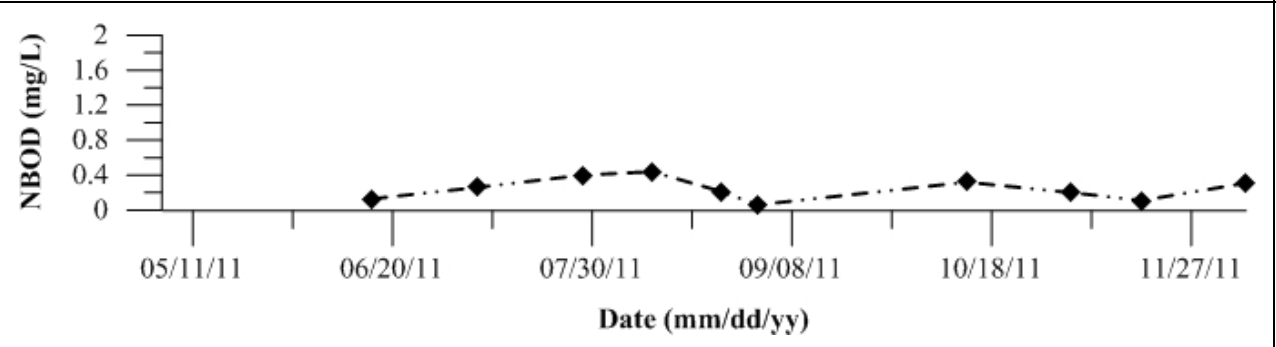


Figure 789: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 405 Calaveras River. Data collected in 2011.

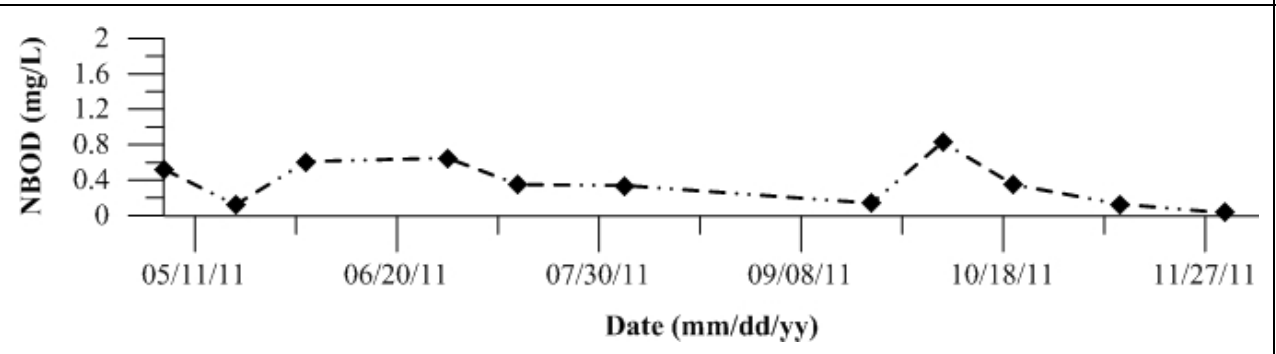


Figure 790: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

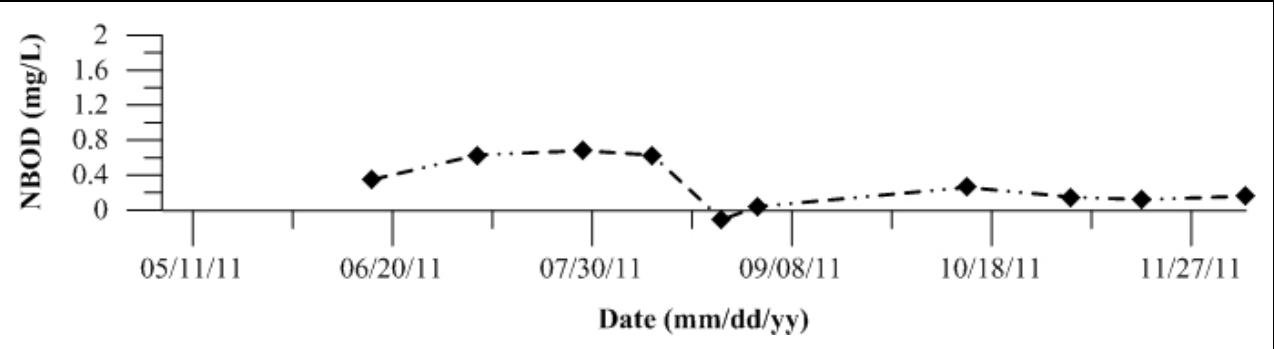


Figure 791: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

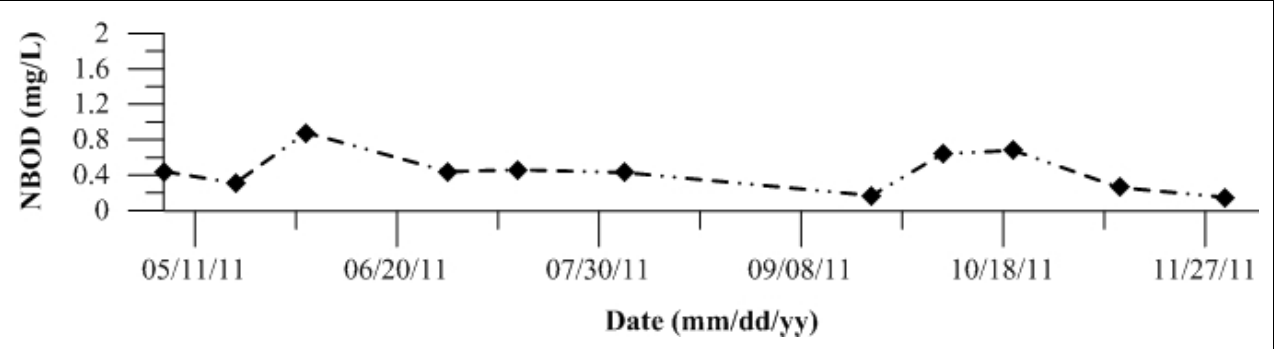


Figure 792: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

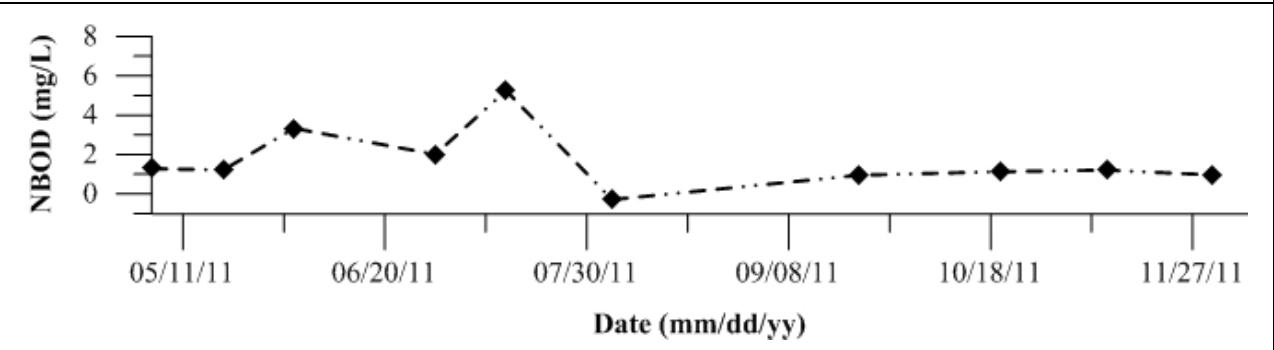


Figure 793: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

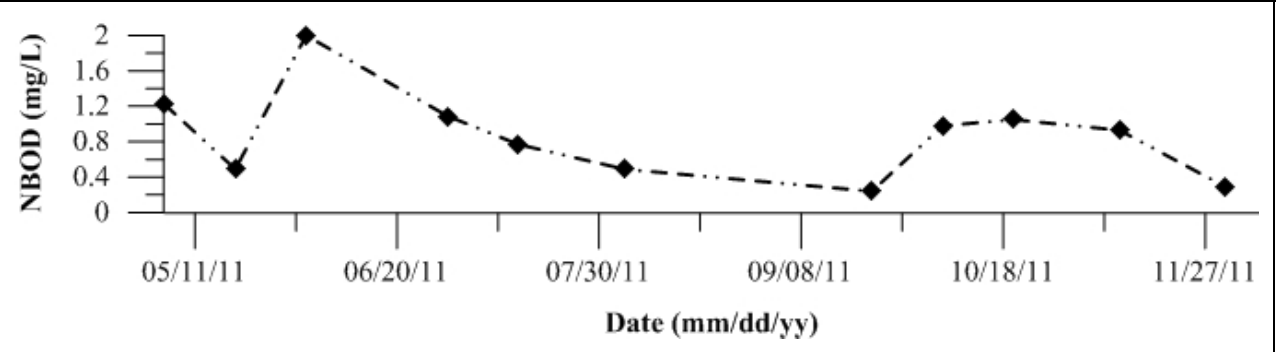


Figure 794: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

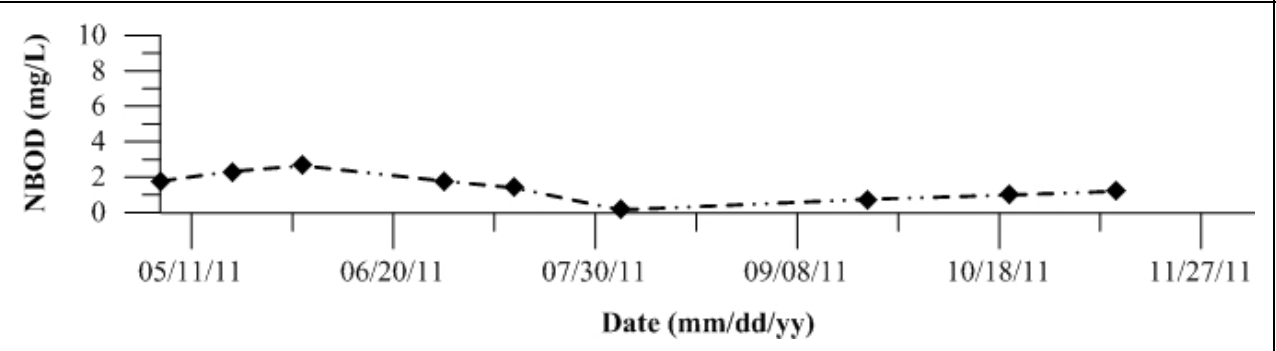


Figure 795: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 424 14mi Slough. Data collected in 2011.

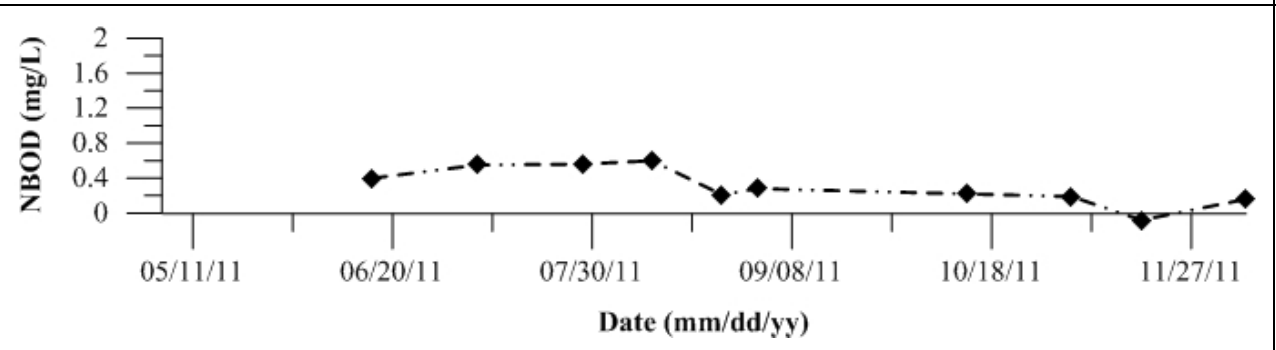


Figure 796: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 425 Turner Cut. Data collected in 2011.

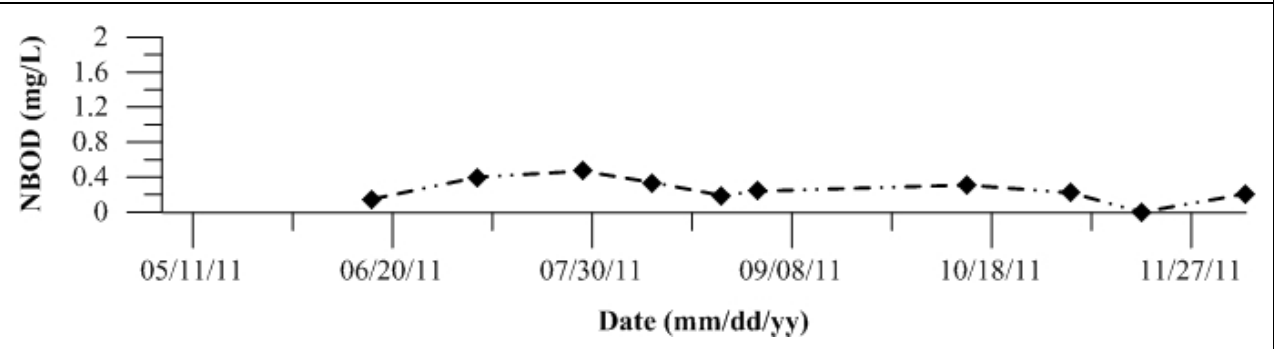


Figure 797: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

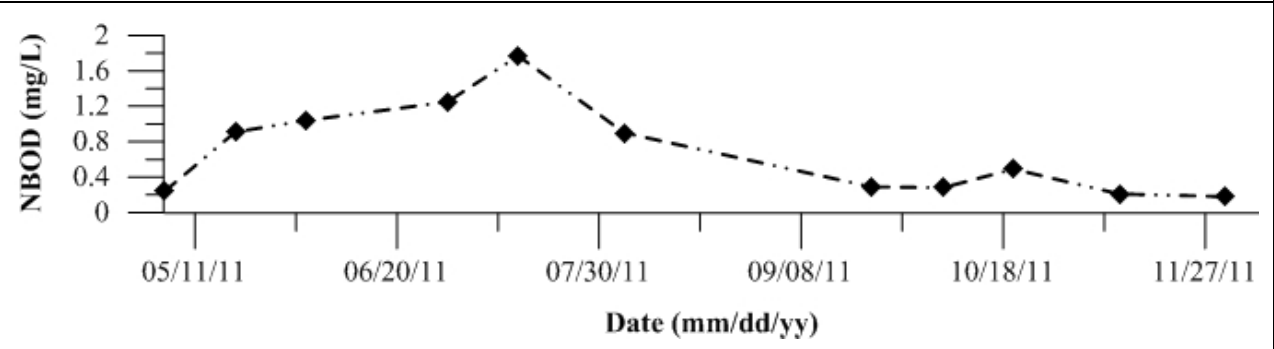


Figure 798: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 427 RM 39 Near Louis Park. Data collected in 2011.

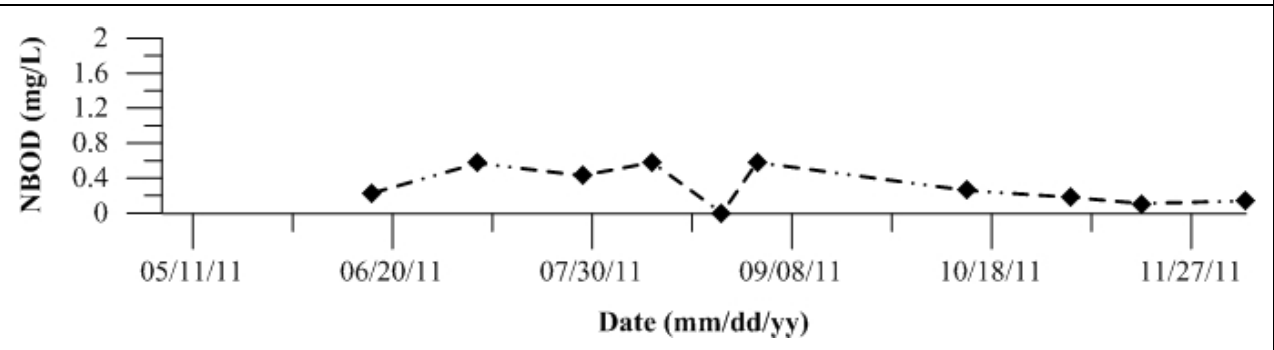


Figure 799: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

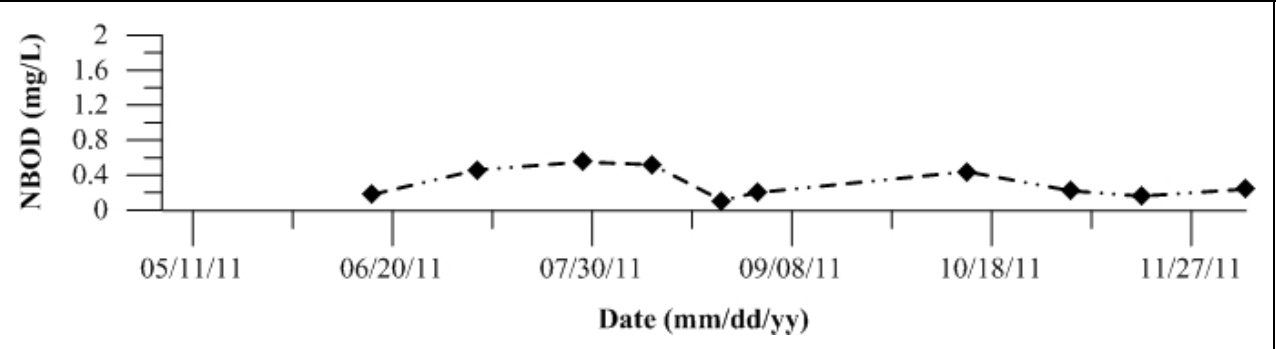
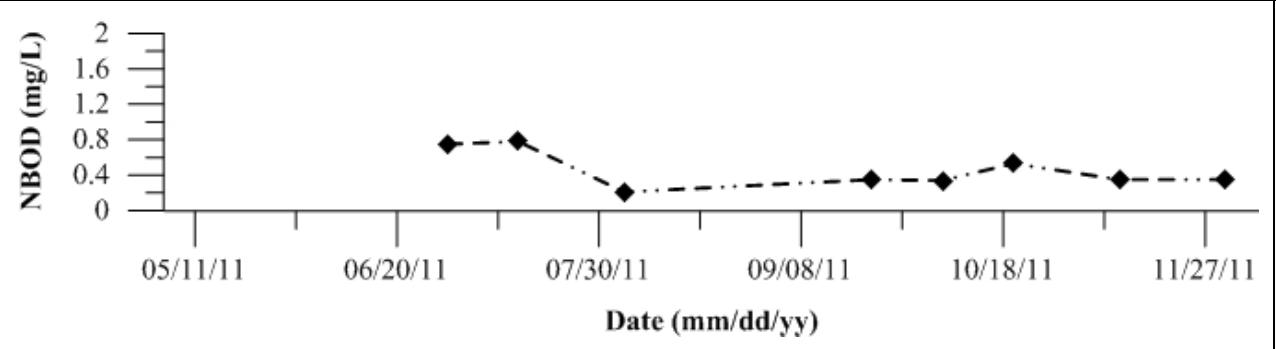


Figure 800: Nitrogenous Biochemical Oxygen Demand (NBOD) for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 801-832: Temporal plots of chlorophyll a (Chl-a) as determined by standard methods by Site ID

Figure 801: Chlorophyll a (Chl-a) as determined by standard methods for Site 2 SJR at Dos Reis Park. Data collected in 2011.

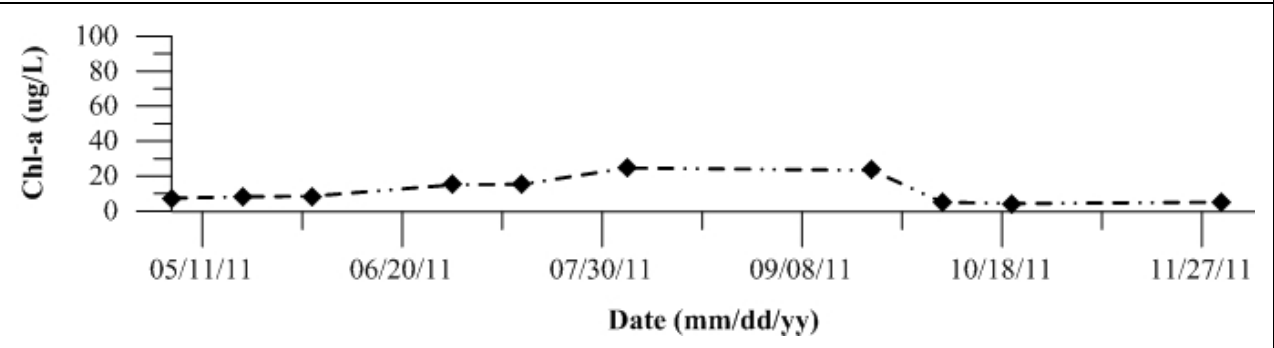


Figure 802: Chlorophyll a (Chl-a) as determined by standard methods for Site 4 SJR at Mossdale. Data collected in 2011.

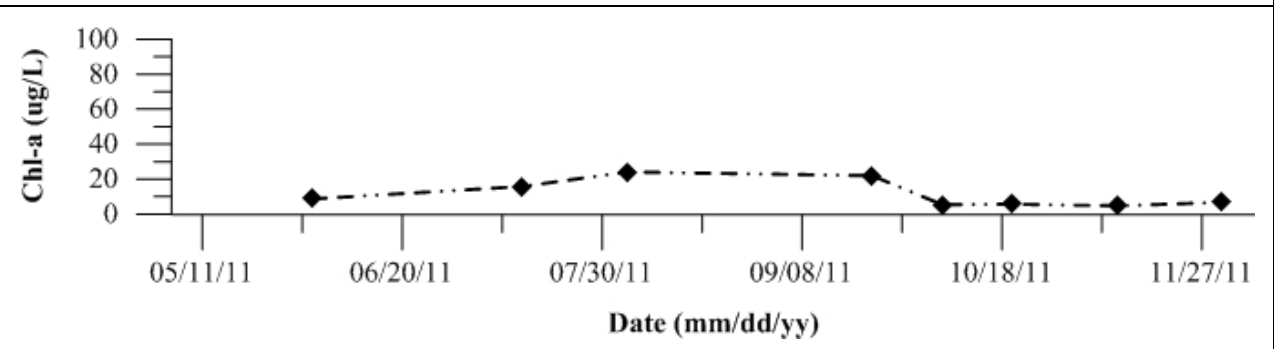


Figure 803: Chlorophyll a (Chl-a) as determined by standard methods for Site 5 SJR at McCune Station. Data collected in 2011.

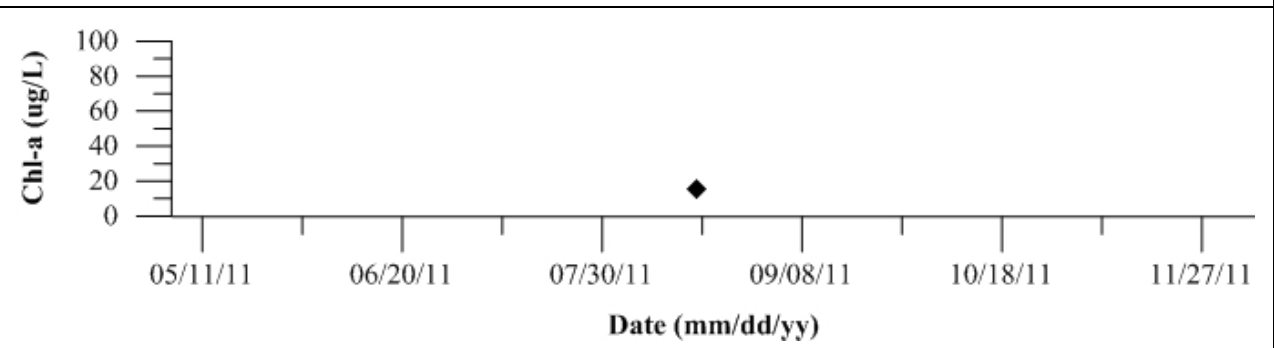


Figure 804: Chlorophyll a (Chl-a) as determined by standard methods for Site 7 SJR at Patterson. Data collected in 2011.

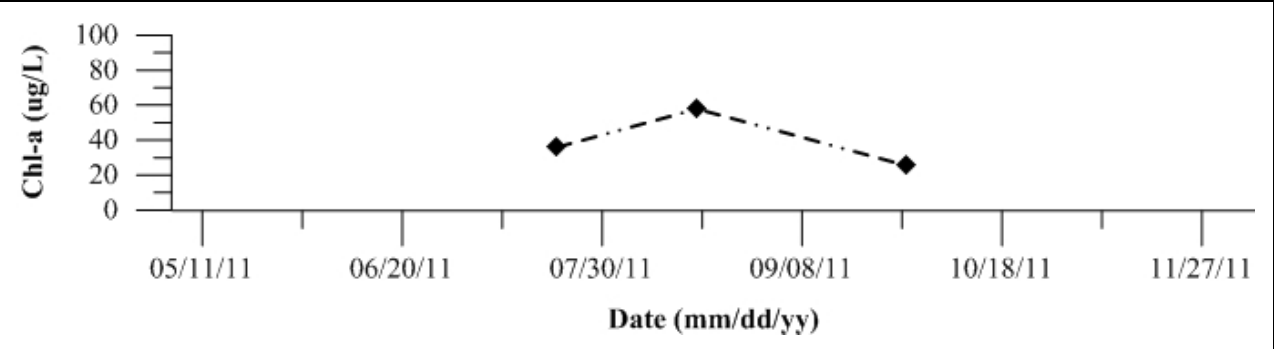


Figure 805: Chlorophyll a (Chl-a) as determined by standard methods for Site 10 SJR at Lander Avenue. Data collected in 2011.

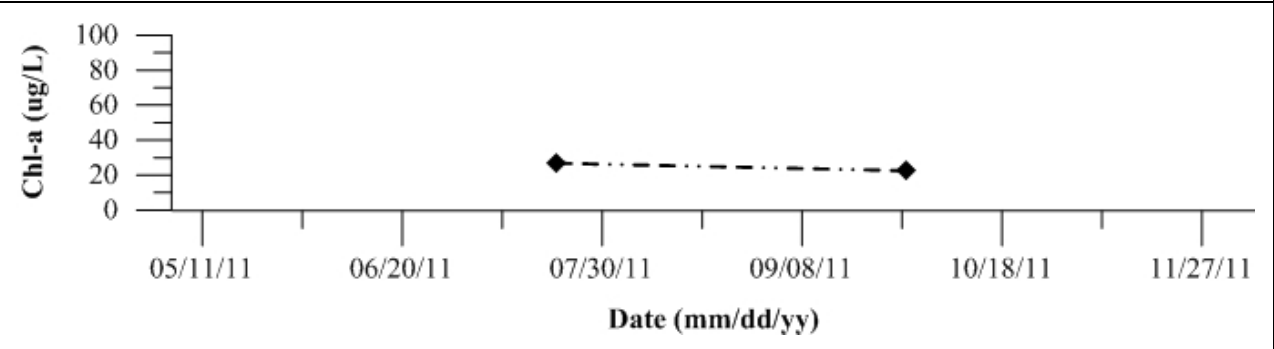


Figure 806: Chlorophyll a (Chl-a) as determined by standard methods for Site 11 French Camp Slough. Data collected in 2011.

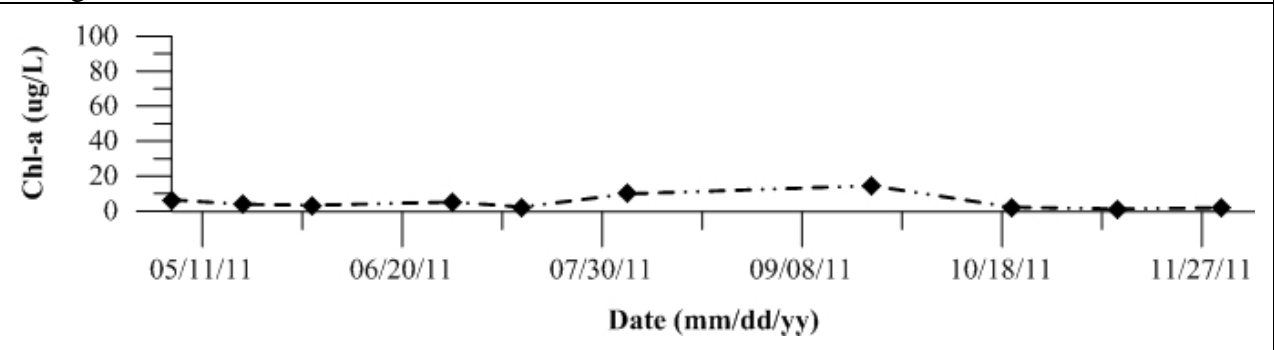


Figure 807: Chlorophyll a (Chl-a) as determined by standard methods for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

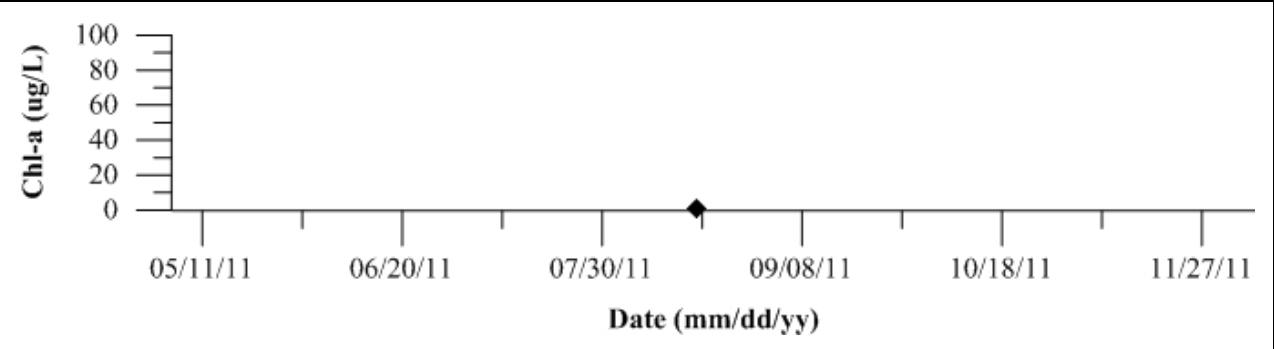


Figure 808: Chlorophyll a (Chl-a) as determined by standard methods for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

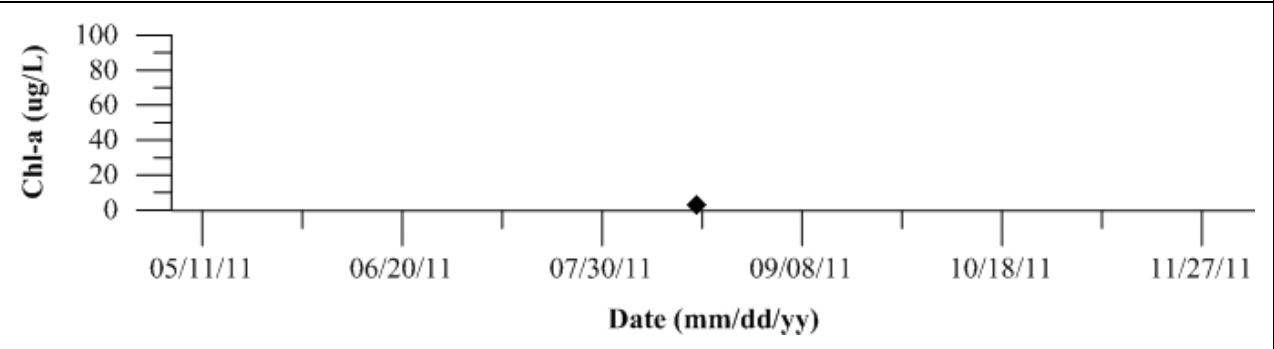


Figure 809: Chlorophyll a (Chl-a) as determined by standard methods for Site 16 Merced River at River Road. Data collected in 2011.

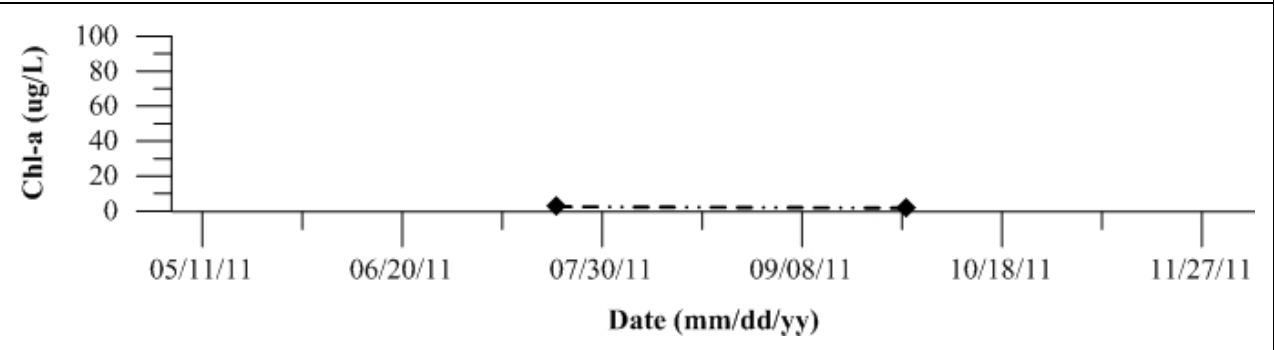


Figure 810: Chlorophyll a (Chl-a) as determined by standard methods for Site 18 Mud Slough near Gustine. Data collected in 2011.

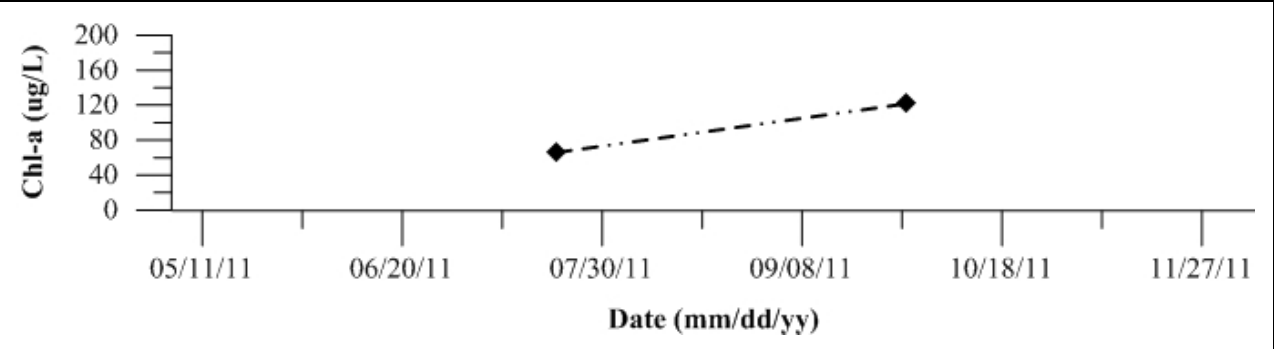


Figure 811: Chlorophyll a (Chl-a) as determined by standard methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

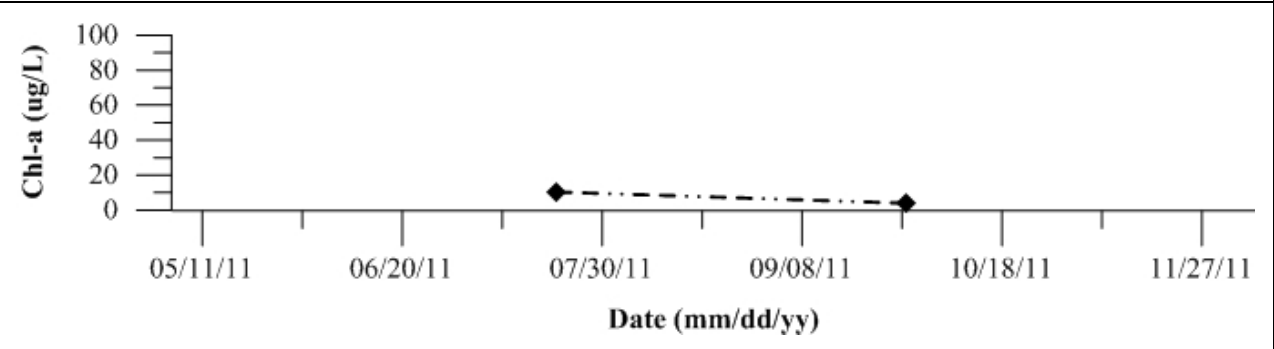


Figure 812: Chlorophyll a (Chl-a) as determined by standard methods for Site 21 Orestimba Creek at River Road. Data collected in 2011.

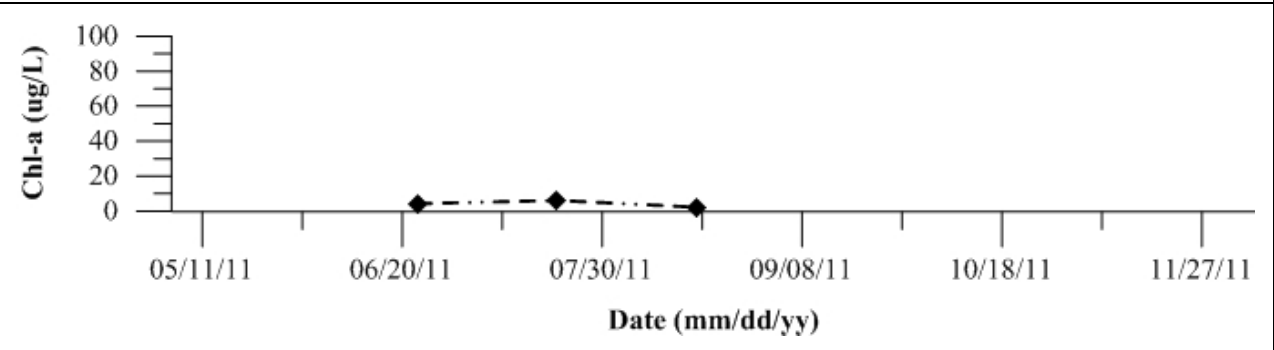


Figure 813: Chlorophyll a (Chl-a) as determined by standard methods for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

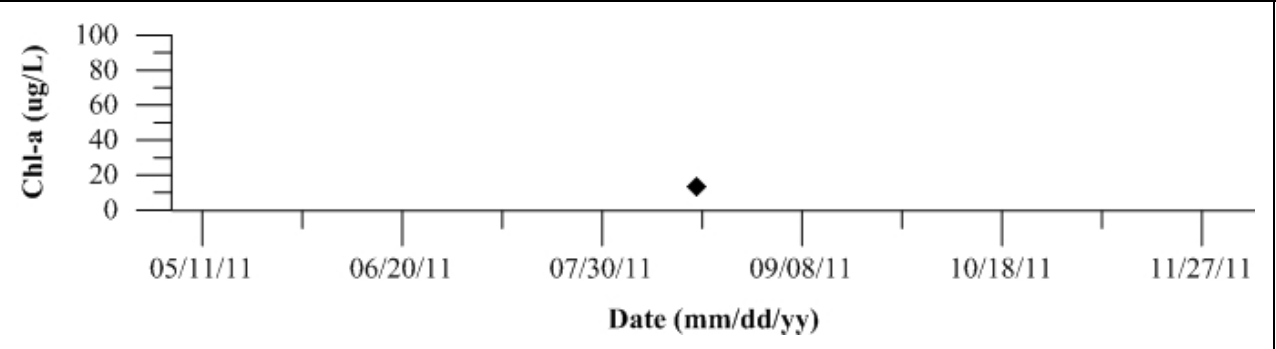


Figure 814: Chlorophyll a (Chl-a) as determined by standard methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

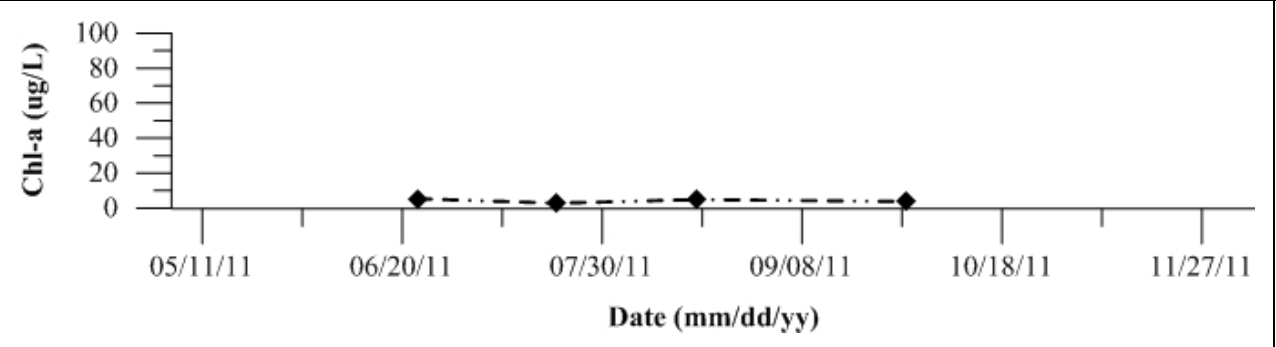


Figure 815: Chlorophyll a (Chl-a) as determined by standard methods for Site 34 Ingram Creek. Data collected in 2011.

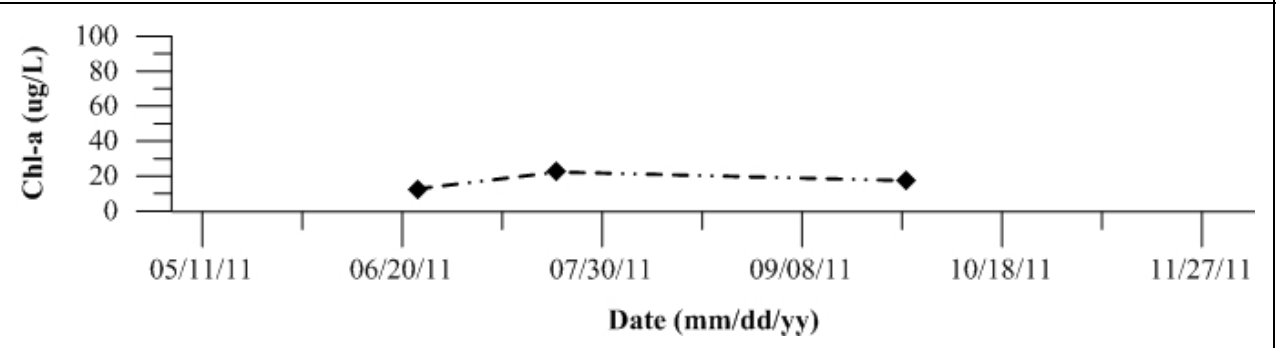


Figure 816: Chlorophyll a (Chl-a) as determined by standard methods for Site 36 Del Puerto Creek. Data collected in 2011.

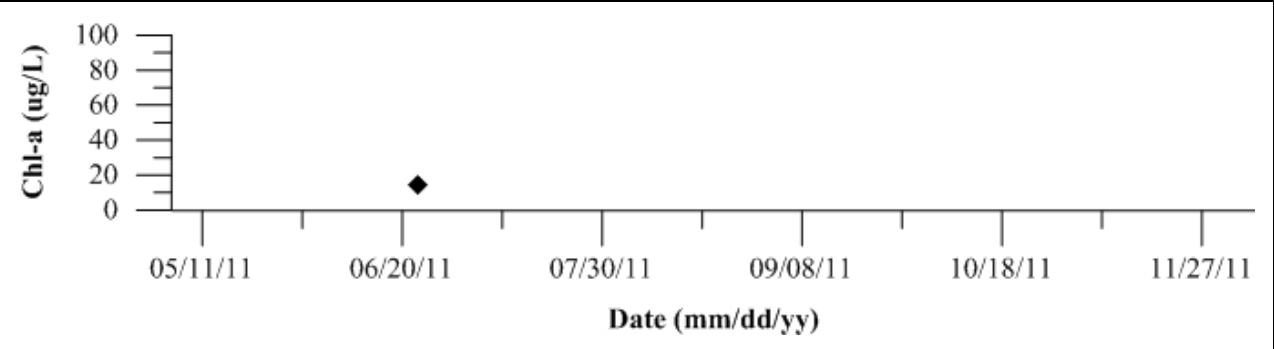


Figure 817: Chlorophyll a (Chl-a) as determined by standard methods for Site 44 San Luis Drain End. Data collected in 2011.

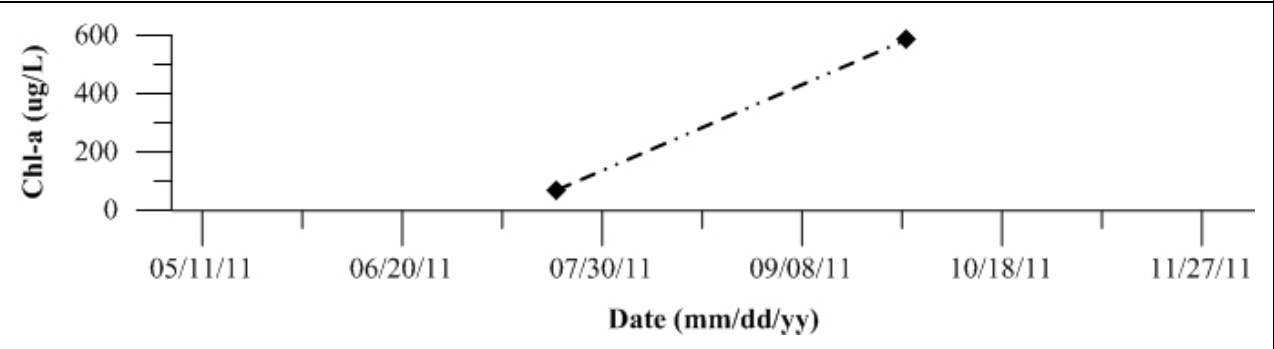


Figure 818: Chlorophyll a (Chl-a) as determined by standard methods for Site 57 Ramona Lake. Data collected in 2011.

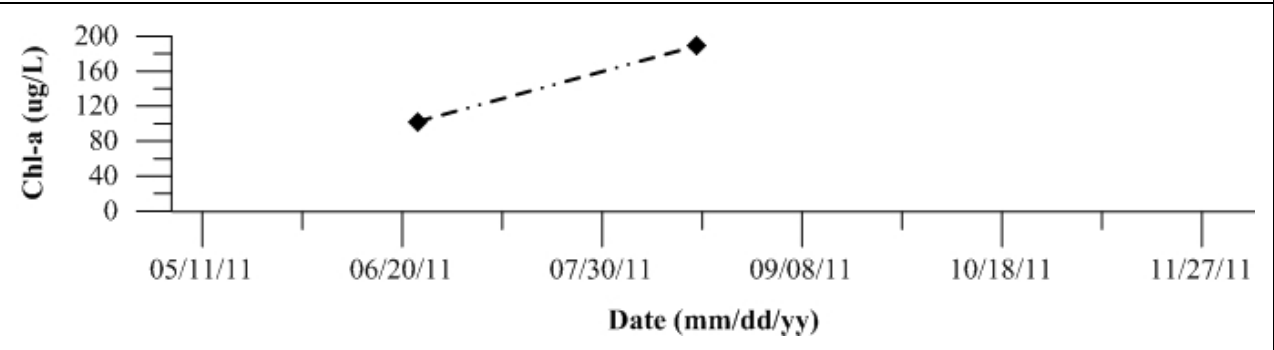


Figure 819: Chlorophyll a (Chl-a) as determined by standard methods for Site 127 SJR at Brant Bridge. Data collected in 2011.

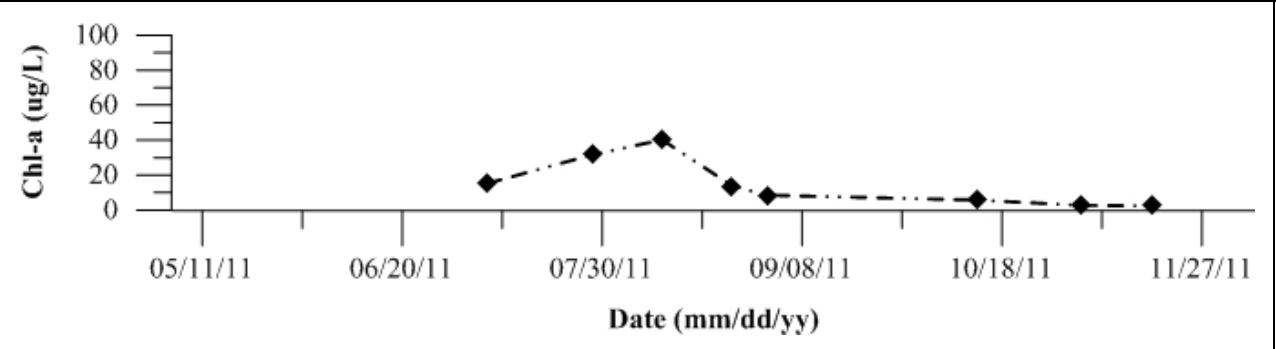


Figure 820: Chlorophyll a (Chl-a) as determined by standard methods for Site 402 Light 18 (Node 96). Data collected in 2011.

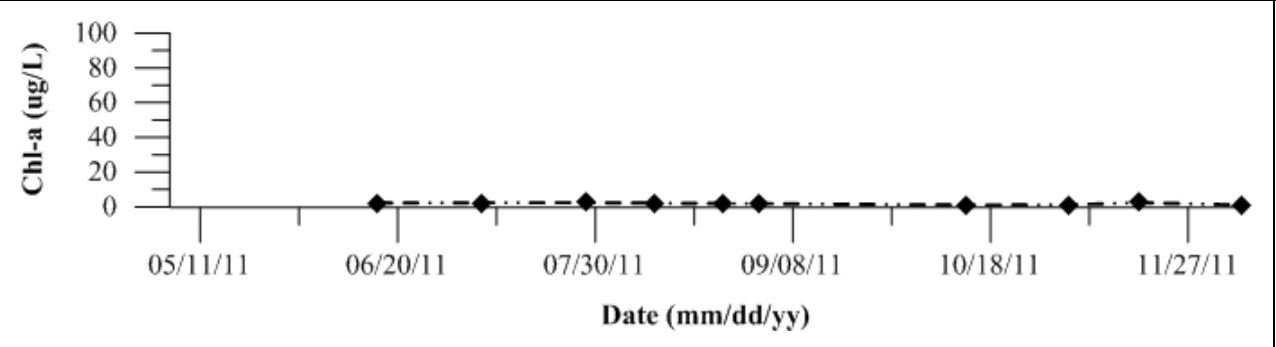


Figure 821: Chlorophyll a (Chl-a) as determined by standard methods for Site 405 Calaveras River. Data collected in 2011.

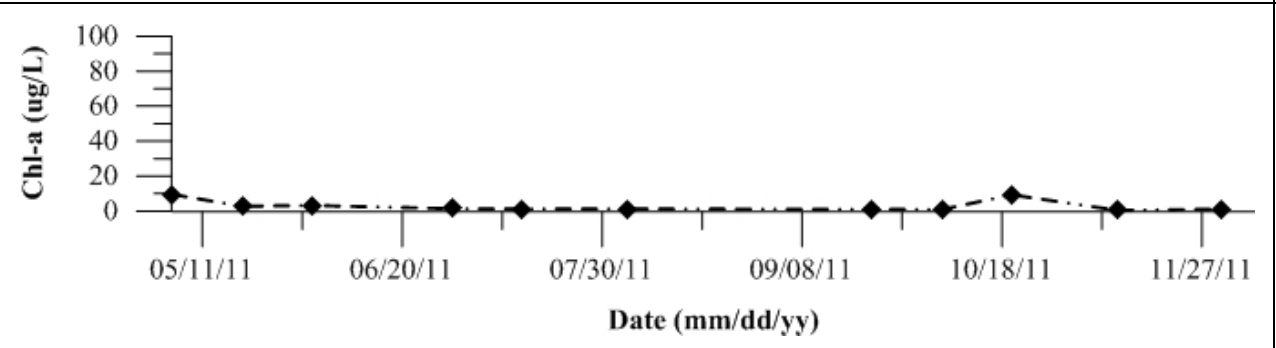


Figure 822: Chlorophyll a (Chl-a) as determined by standard methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

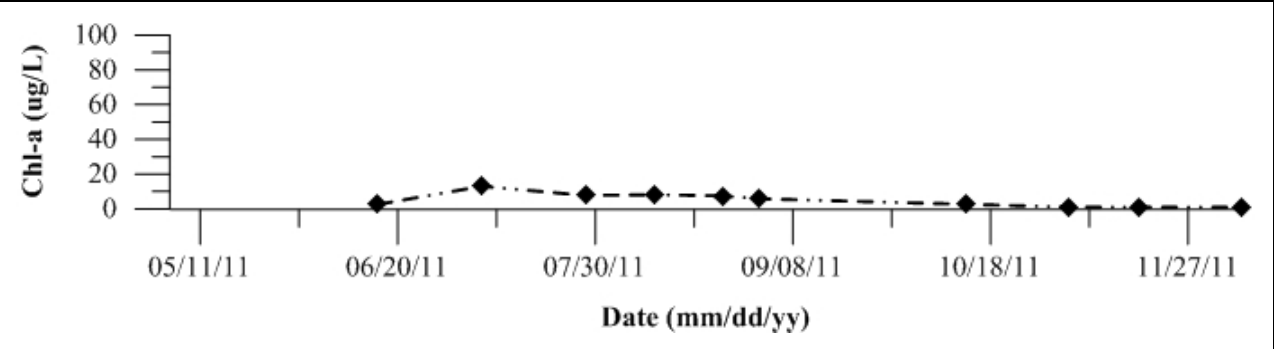


Figure 823: Chlorophyll a (Chl-a) as determined by standard methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

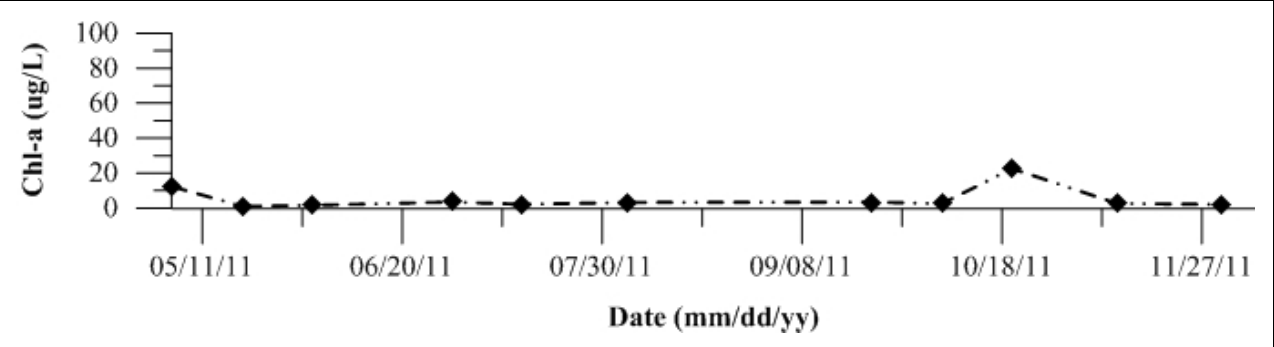


Figure 824: Chlorophyll a (Chl-a) as determined by standard methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

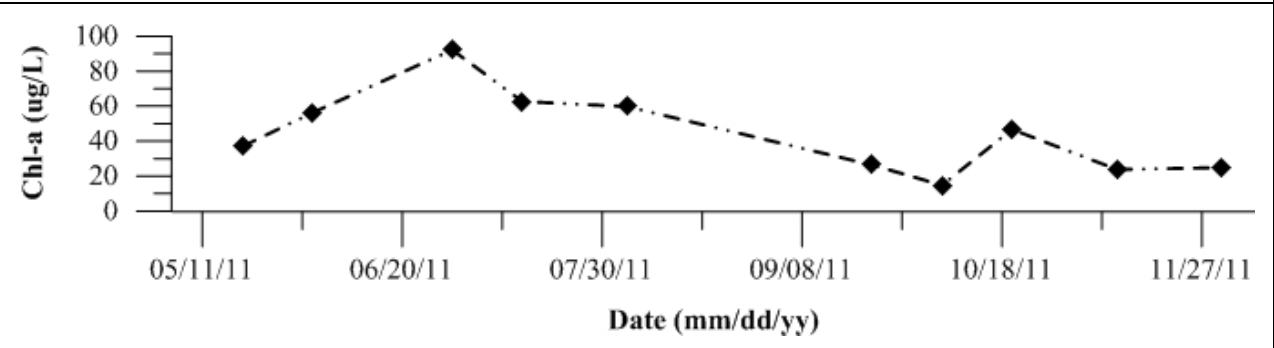


Figure 825: Chlorophyll a (Chl-a) as determined by standard methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

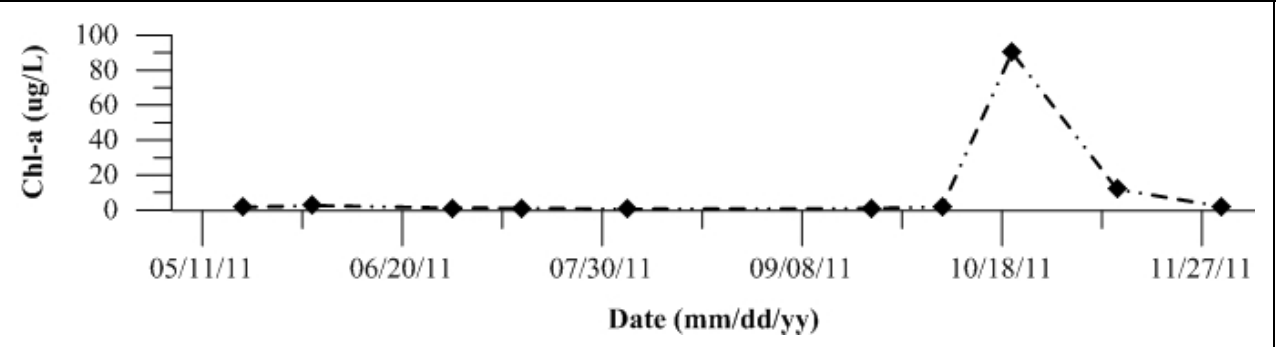


Figure 826: Chlorophyll a (Chl-a) as determined by standard methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

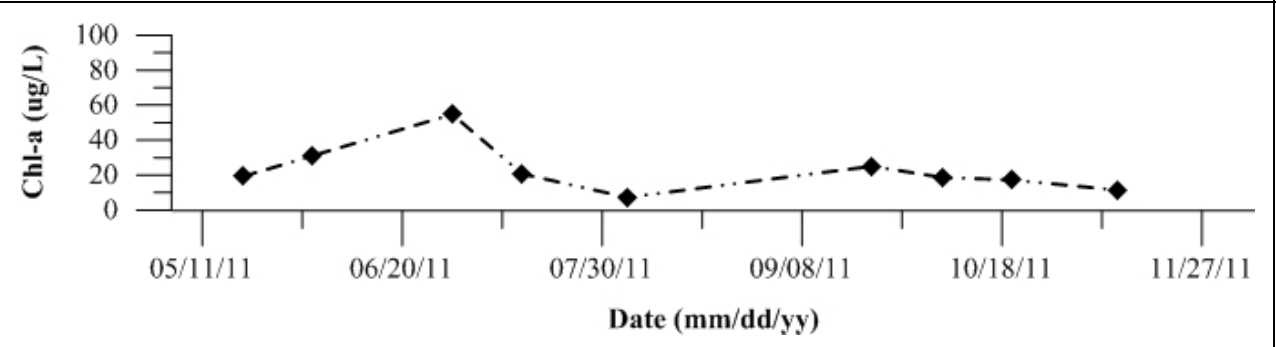


Figure 827: Chlorophyll a (Chl-a) as determined by standard methods for Site 424 14mi Slough. Data collected in 2011.

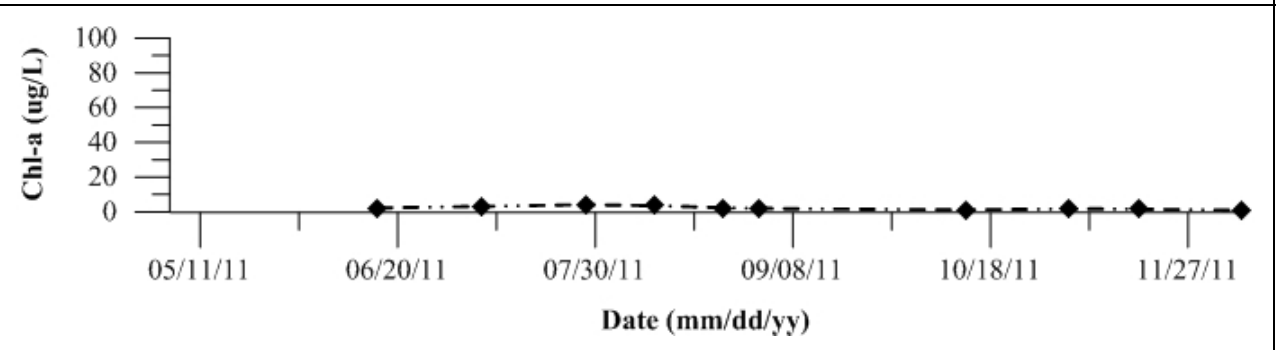


Figure 828: Chlorophyll a (Chl-a) as determined by standard methods for Site 425 Turner Cut. Data collected in 2011.

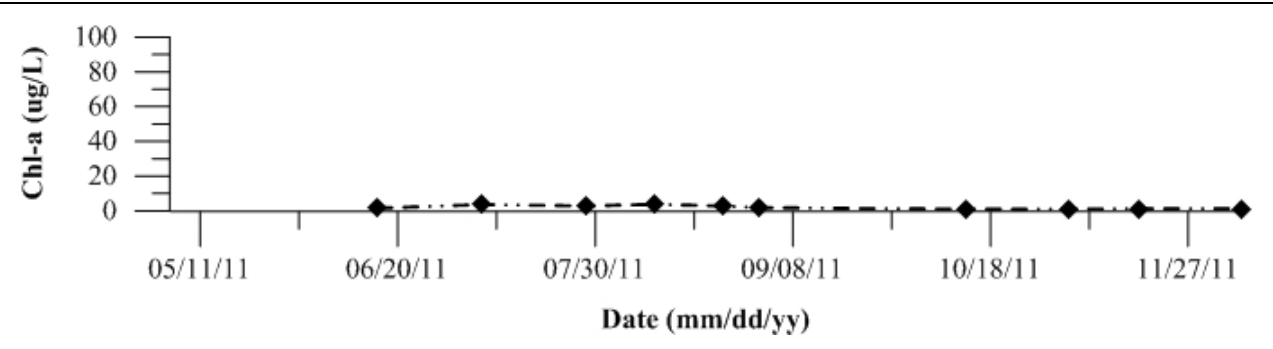


Figure 829: Chlorophyll a (Chl-a) as determined by standard methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

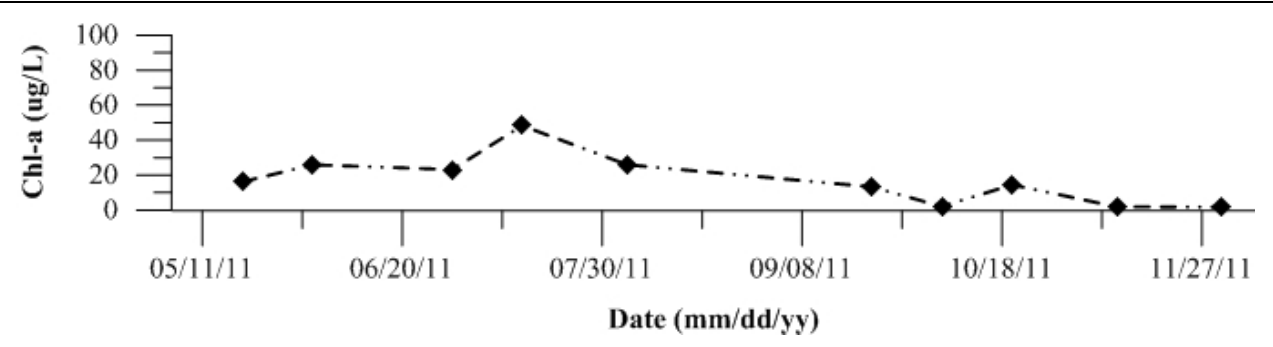


Figure 830: Chlorophyll a (Chl-a) as determined by standard methods for Site 427 RM 39 Near Louis Park. Data collected in 2011.

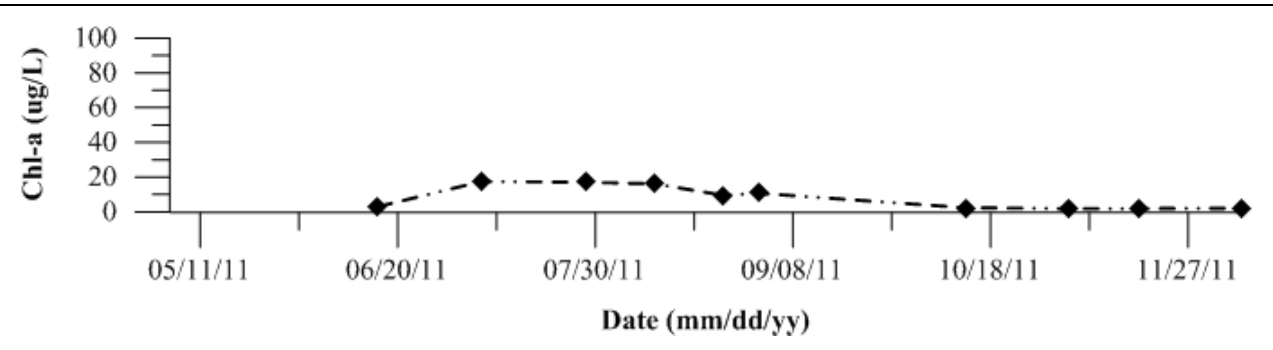


Figure 831: Chlorophyll a (Chl-a) as determined by standard methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

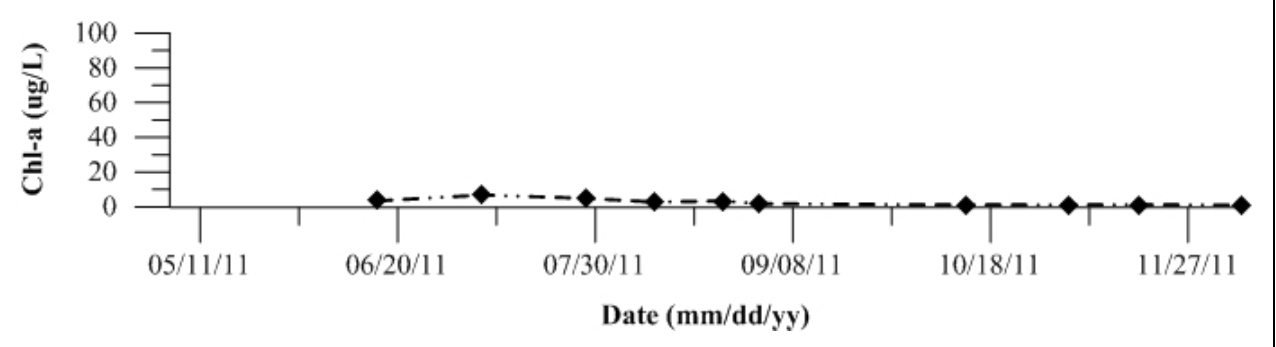
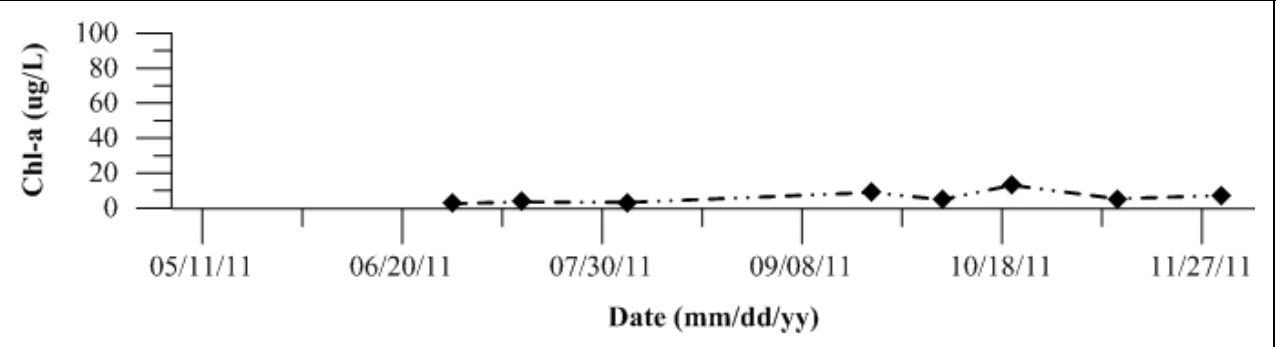


Figure 832: Chlorophyll a (Chl-a) as determined by standard methods for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 833-864: Temporal plots of chlorophyll a (Chl-a) as determined by trichromatic methods by Site ID

Figure 833: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 2 SJR at Dos Reis Park. Data collected in 2011.

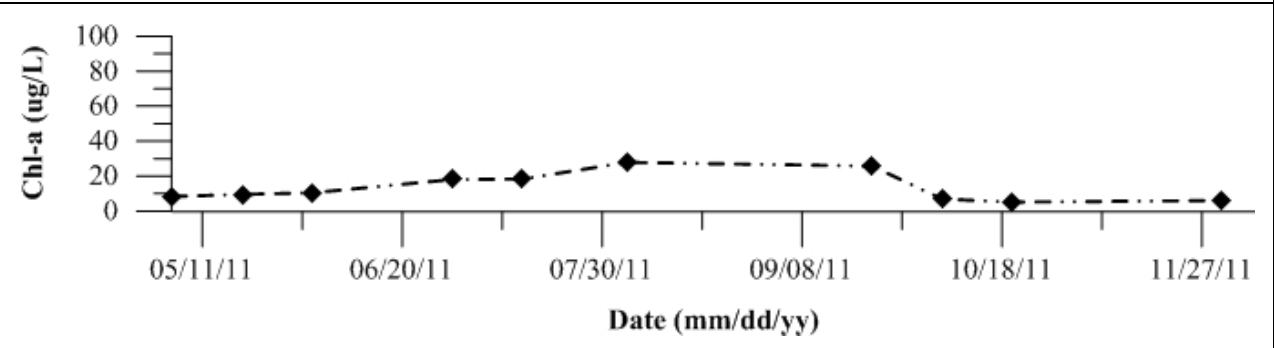


Figure 834: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 4 SJR at Mossdale. Data collected in 2011.

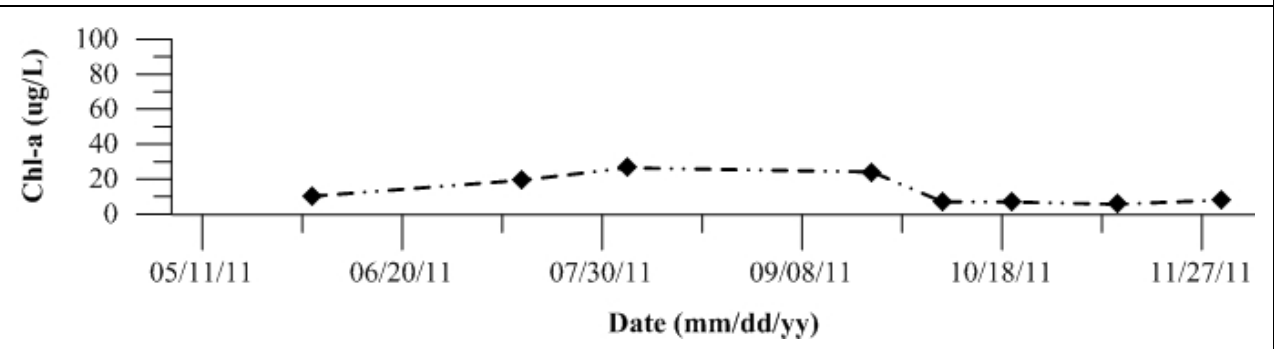


Figure 835: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 5 SJR at McCune Station. Data collected in 2011.

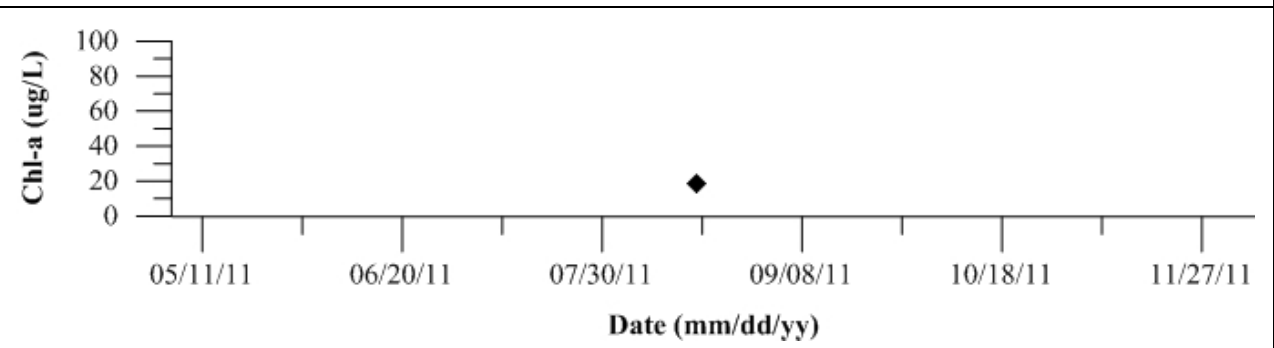


Figure 836: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 7 SJR at Patterson. Data collected in 2011.

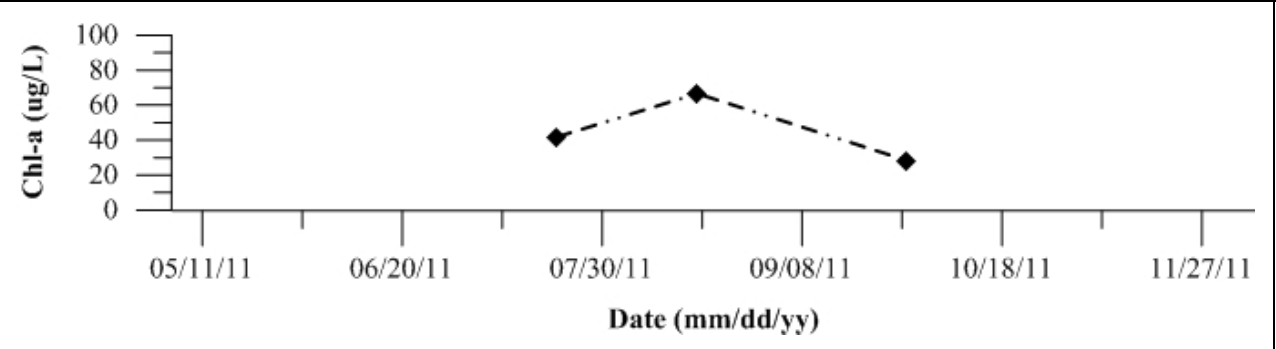


Figure 837: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 10 SJR at Lander Avenue. Data collected in 2011.

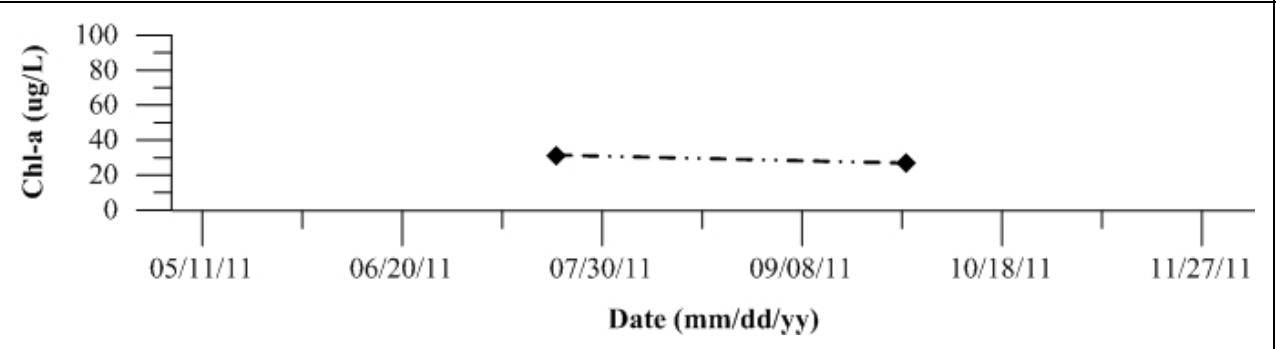


Figure 838: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 11 French Camp Slough. Data collected in 2011.

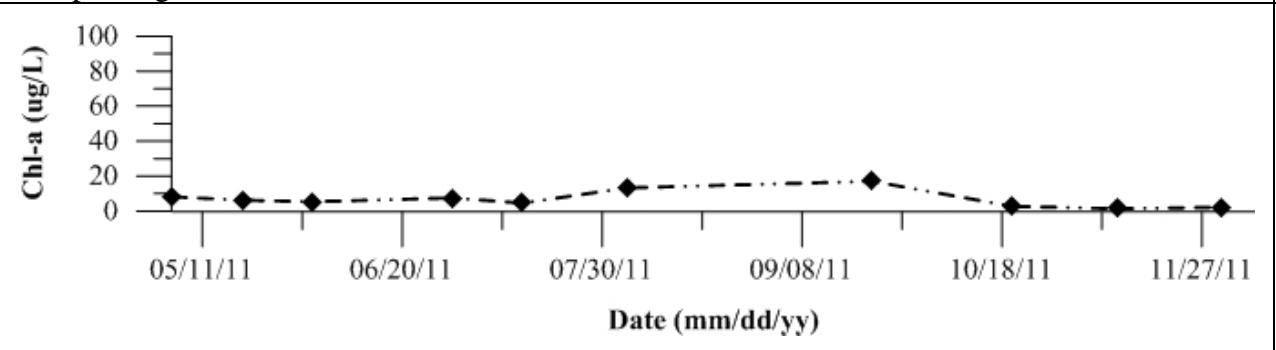


Figure 839: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

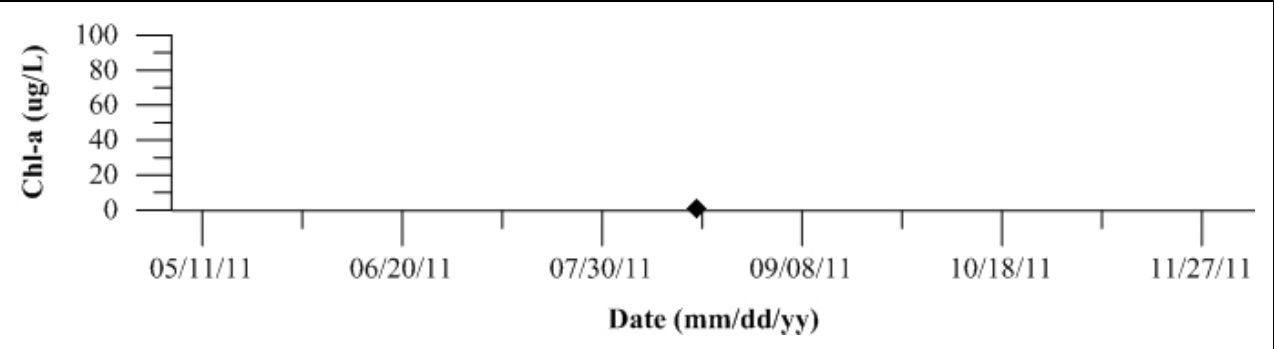


Figure 840: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

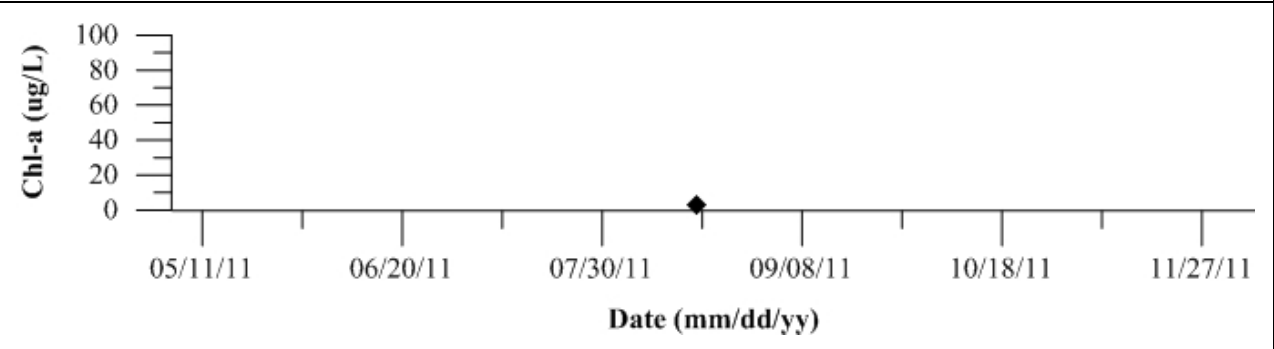


Figure 841: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 16 Merced River at River Road. Data collected in 2011.

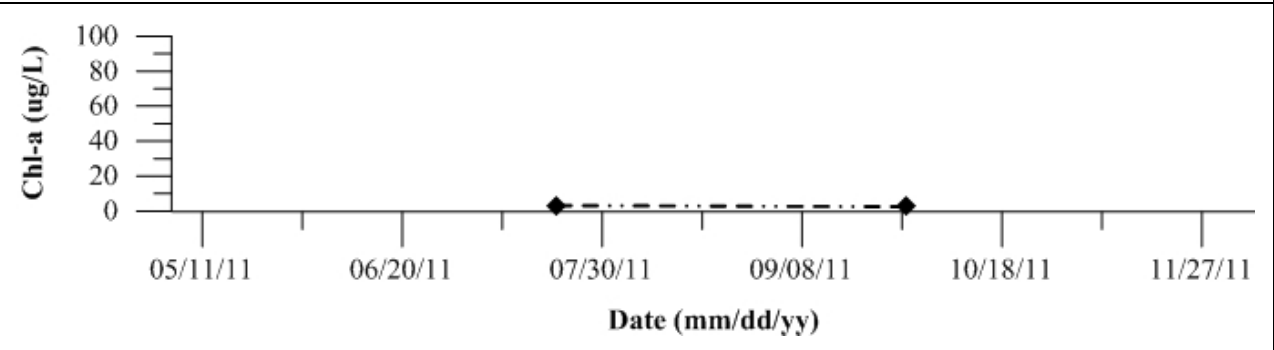


Figure 842: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 18 Mud Slough near Gustine. Data collected in 2011.

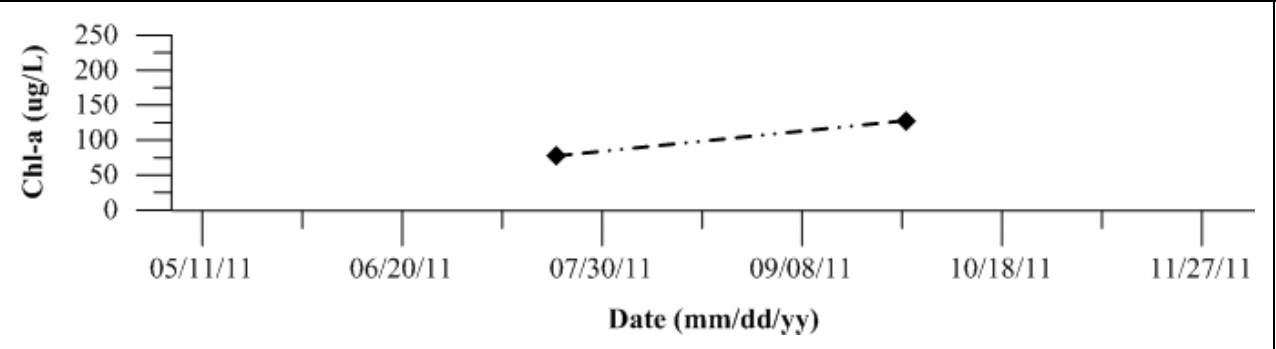


Figure 843: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

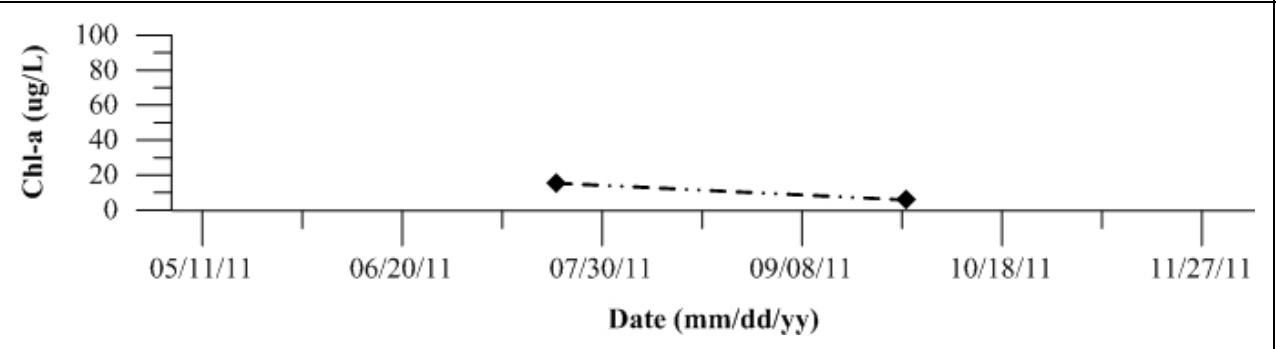


Figure 844: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 21 Orestimba Creek at River Road. Data collected in 2011.

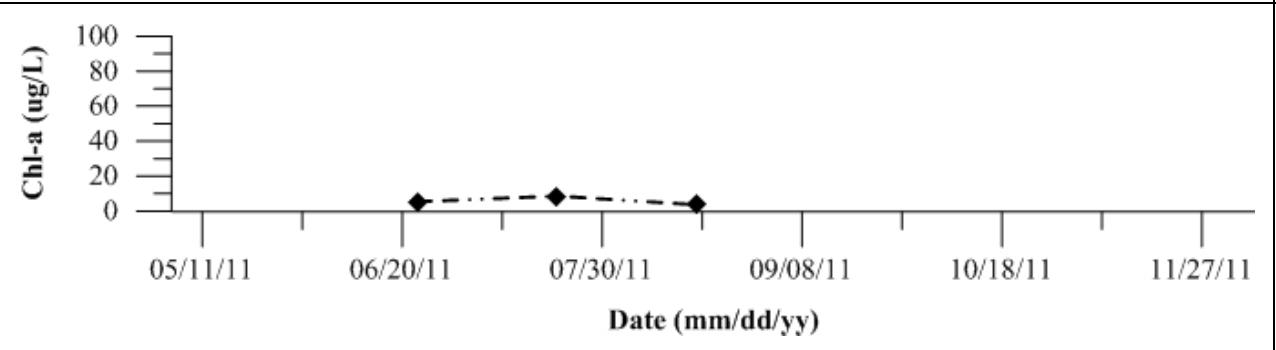


Figure 845: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

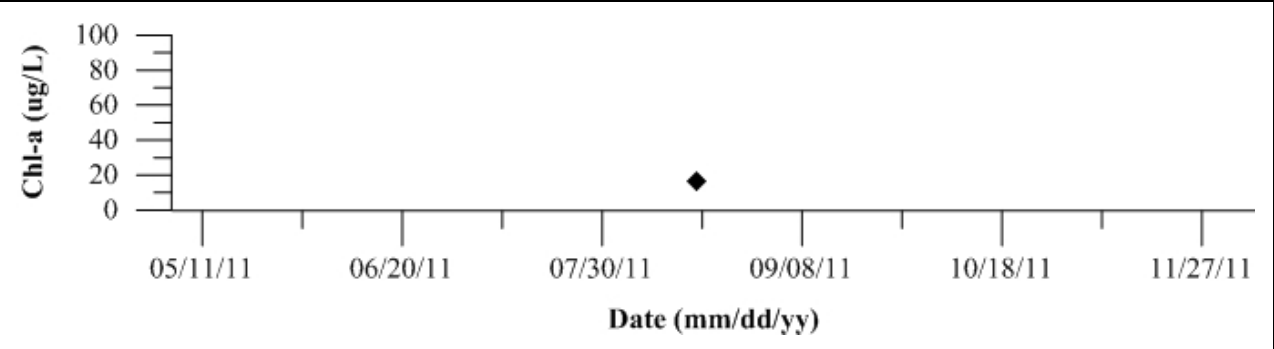


Figure 846: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

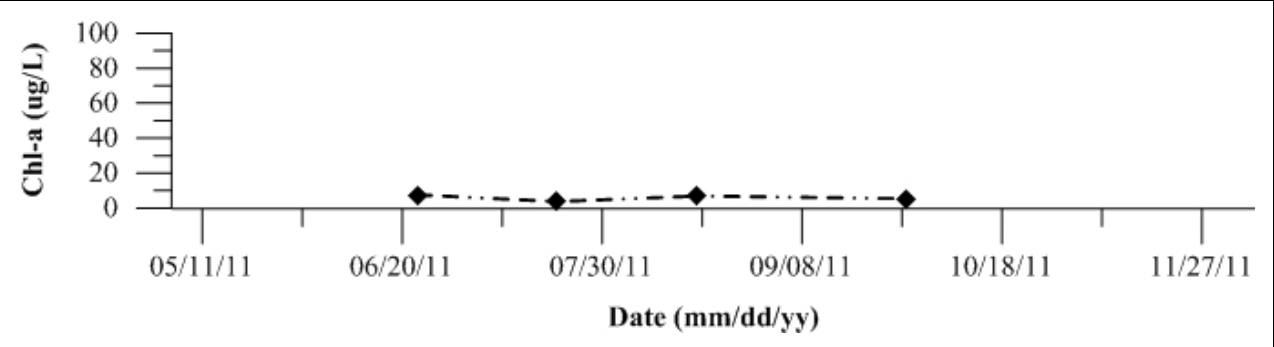


Figure 847: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 34 Ingram Creek. Data collected in 2011.

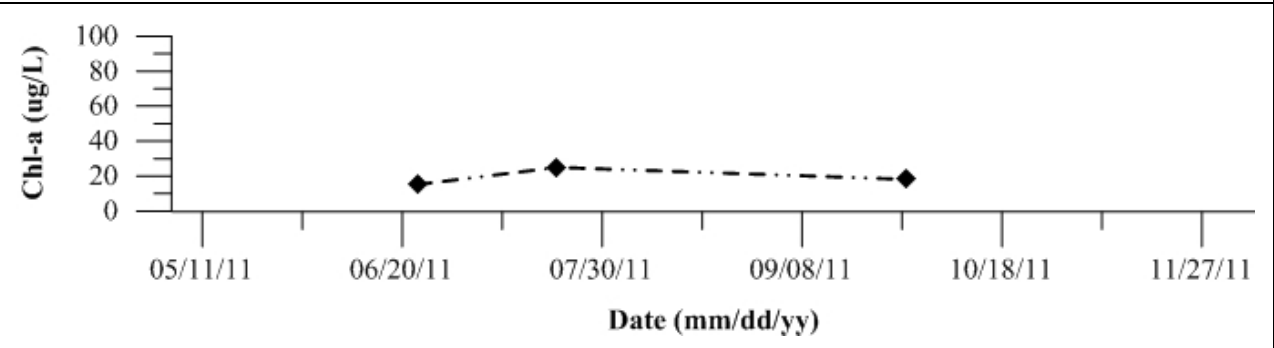


Figure 848: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 36 Del Puerto Creek. Data collected in 2011.

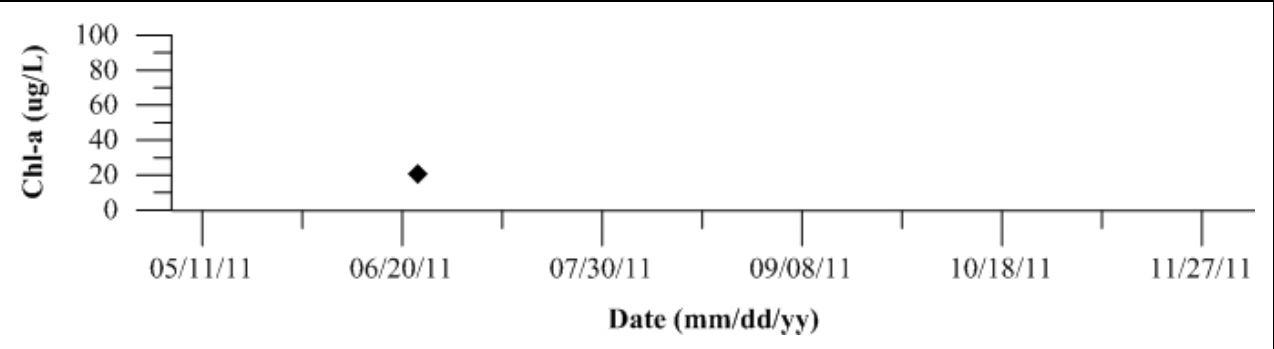


Figure 849: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 44 San Luis Drain End. Data collected in 2011.

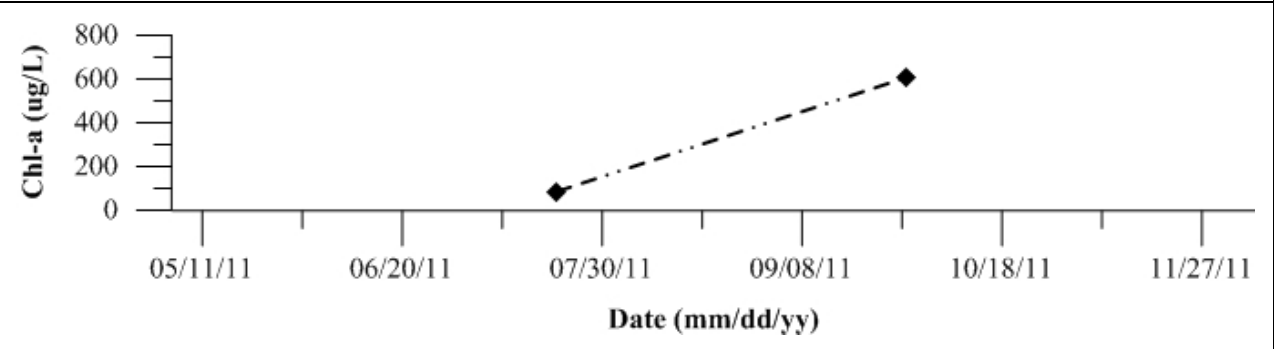


Figure 850: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 57 Ramona Lake. Data collected in 2011.

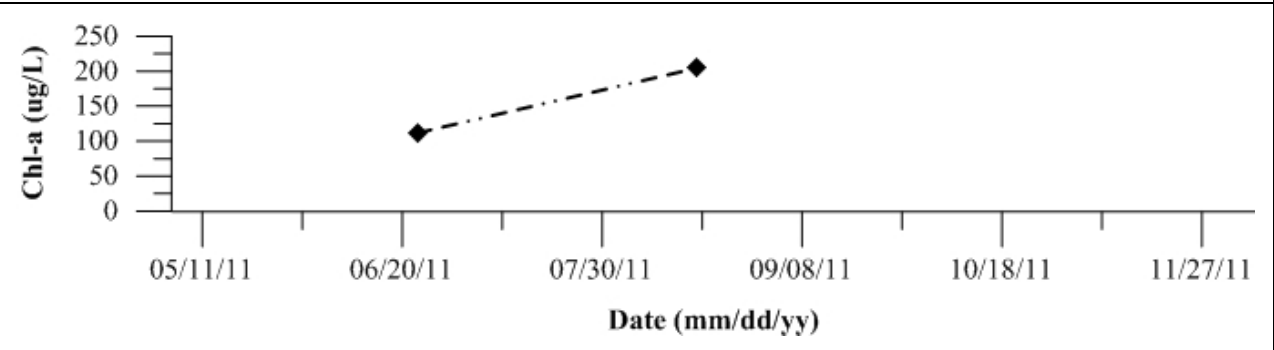


Figure 851: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 127 SJR at Brant Bridge. Data collected in 2011.

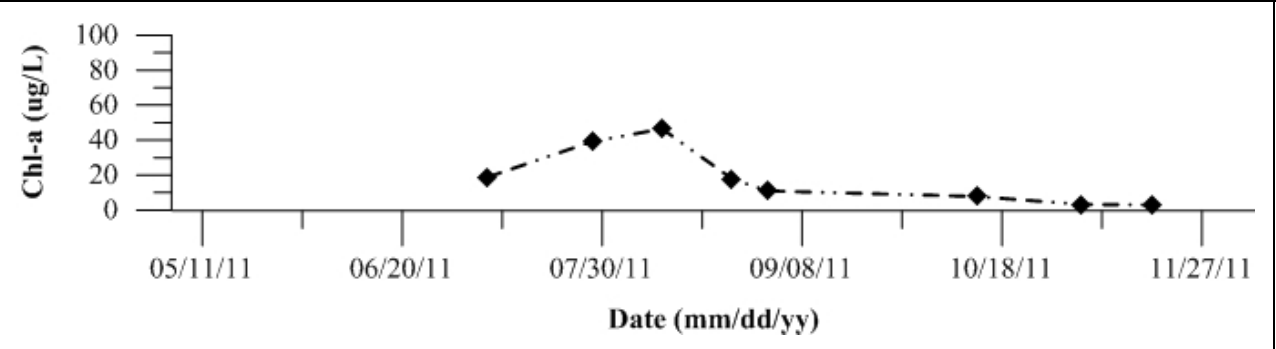


Figure 852: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 402 Light 18 (Node 96). Data collected in 2011.

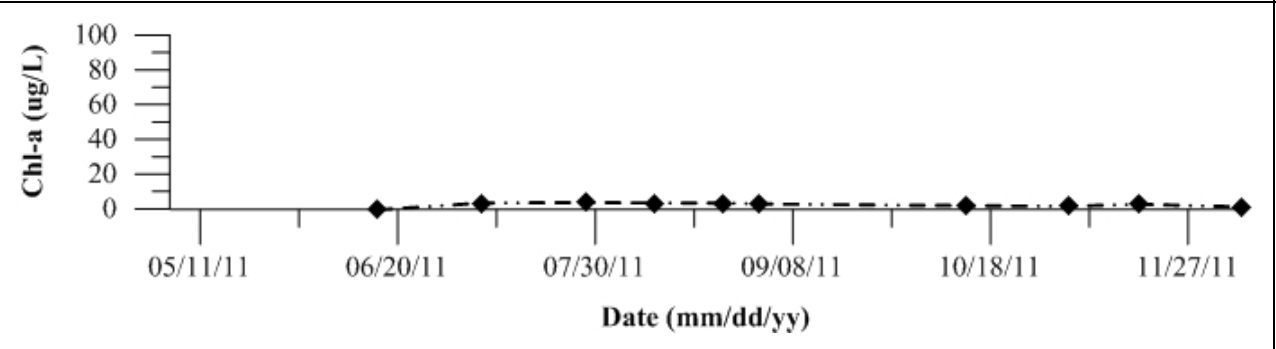


Figure 853: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 405 Calaveras River. Data collected in 2011.

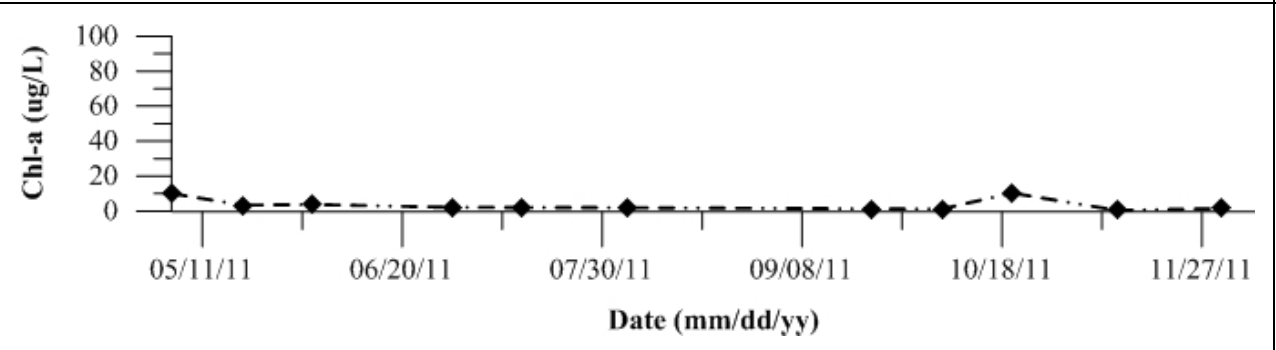


Figure 854: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

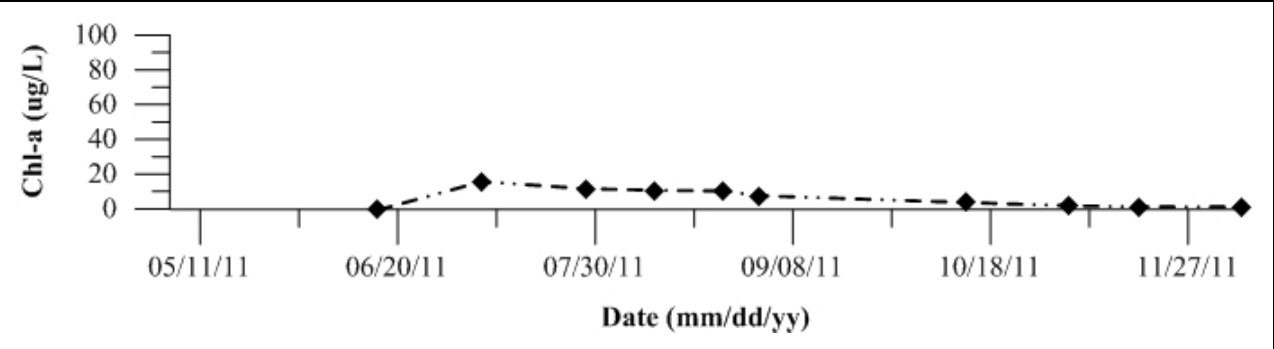


Figure 855: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

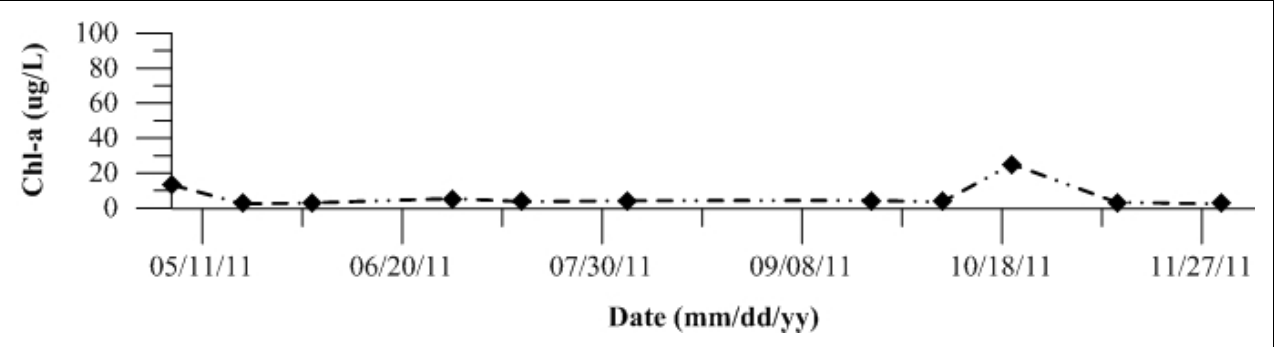


Figure 856: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

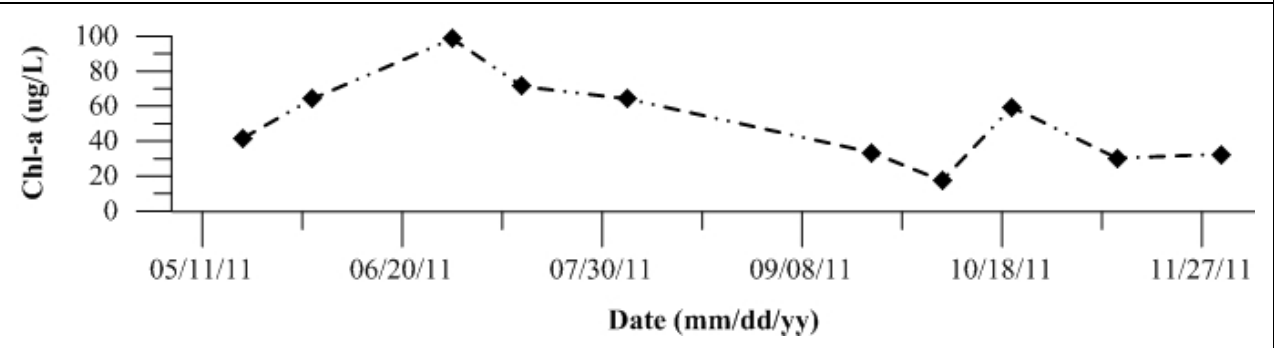


Figure 857: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

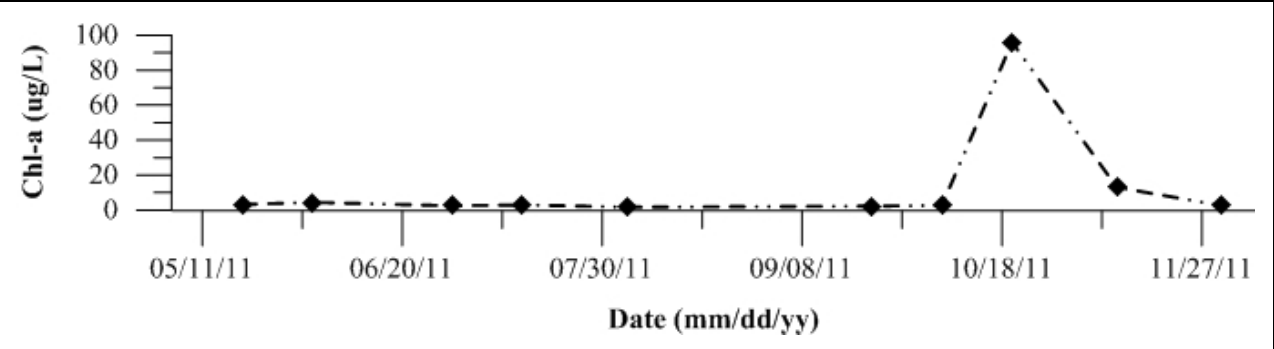


Figure 858: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

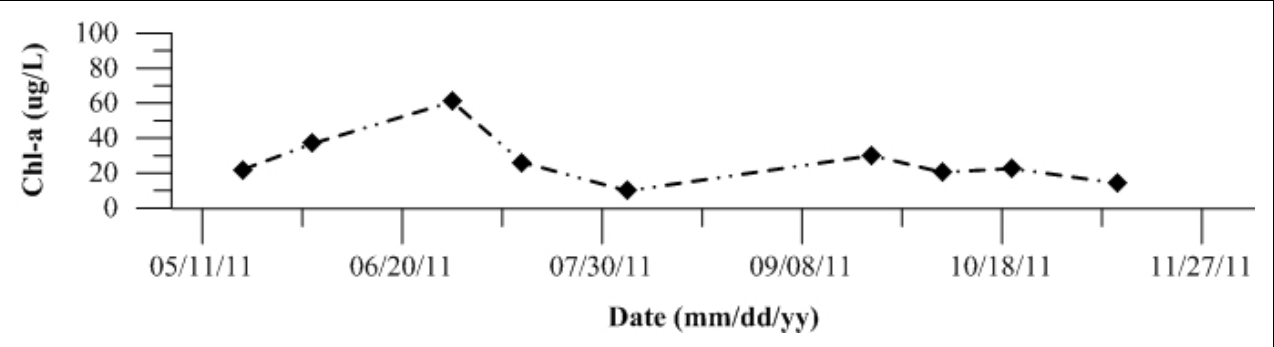


Figure 859: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 424 14mi Slough. Data collected in 2011.

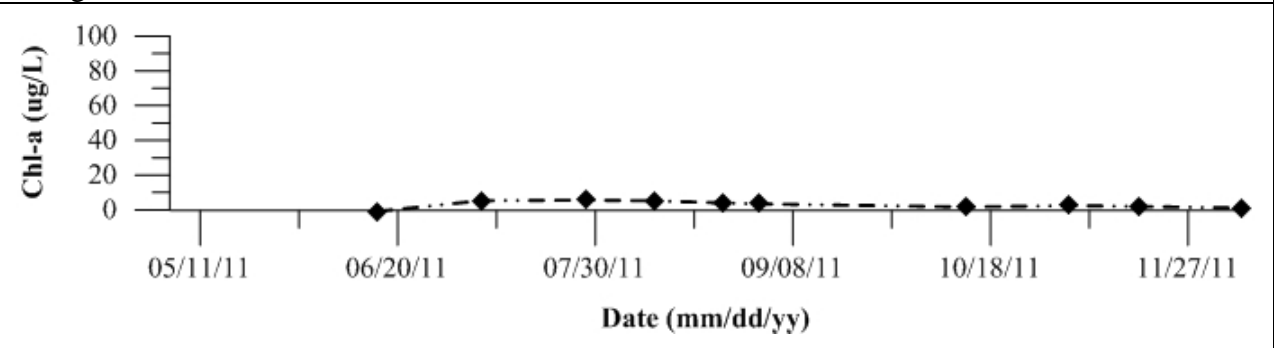


Figure 860: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 425 Turner Cut. Data collected in 2011.

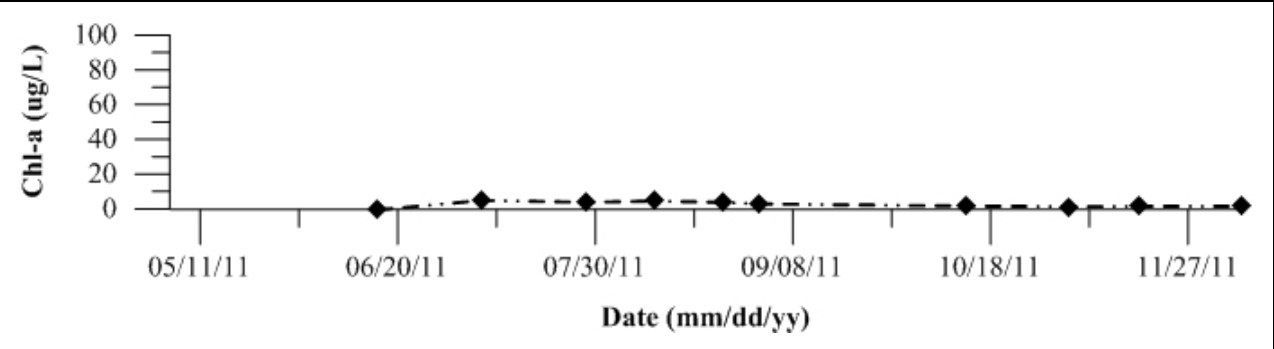


Figure 861: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

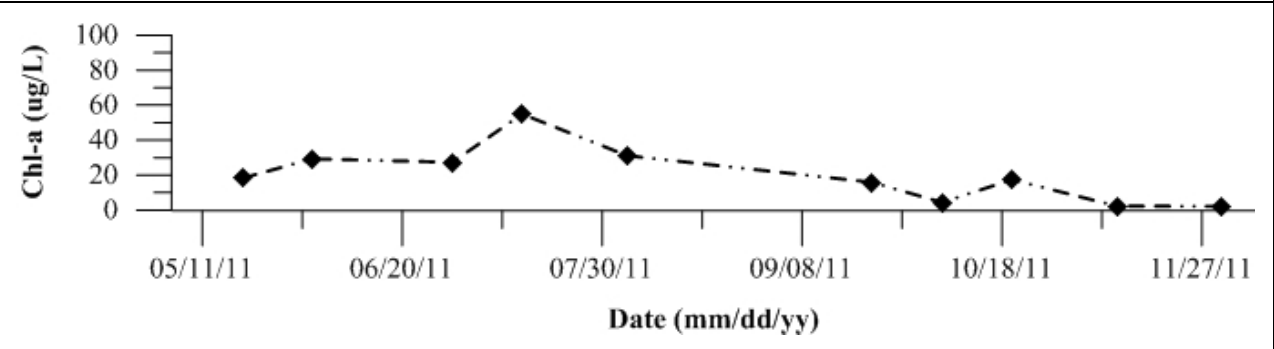


Figure 862: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 427 RM 39 Near Louis Park. Data collected in 2011.

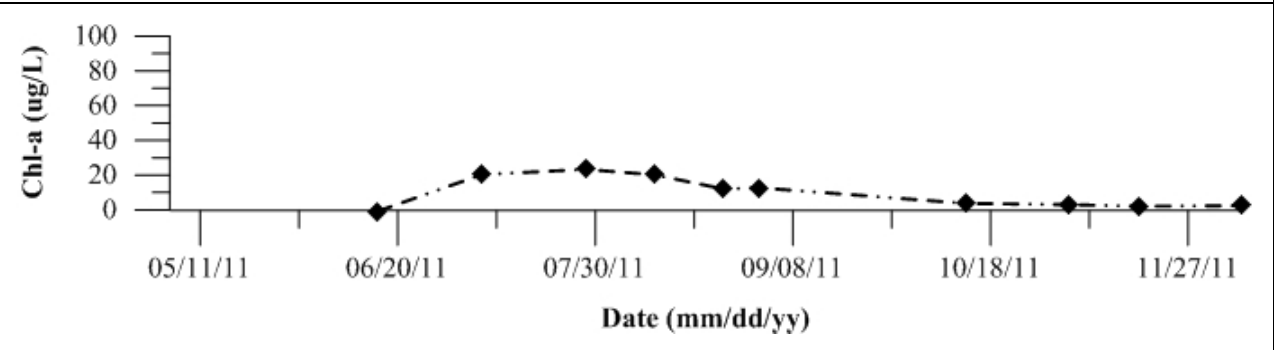


Figure 863: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

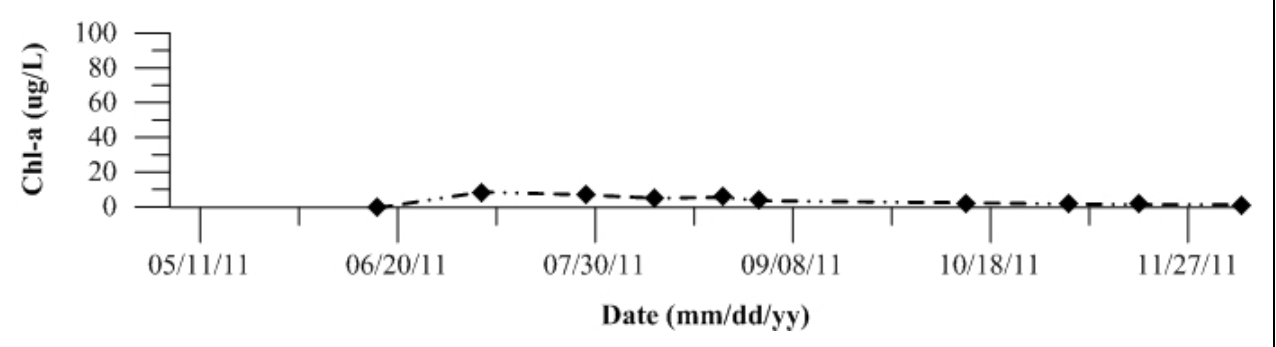
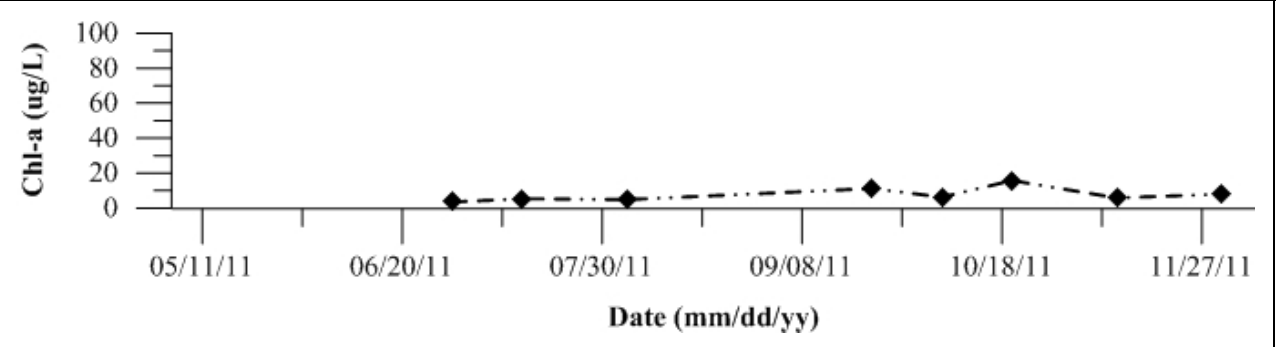


Figure 864: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 865-896: Temporal plots of pheophytin by Site ID

Figure 865: Pheophytin as determined by spectrophotometric methods for Site 2 SJR at Dos Reis Park. Data collected in 2011.

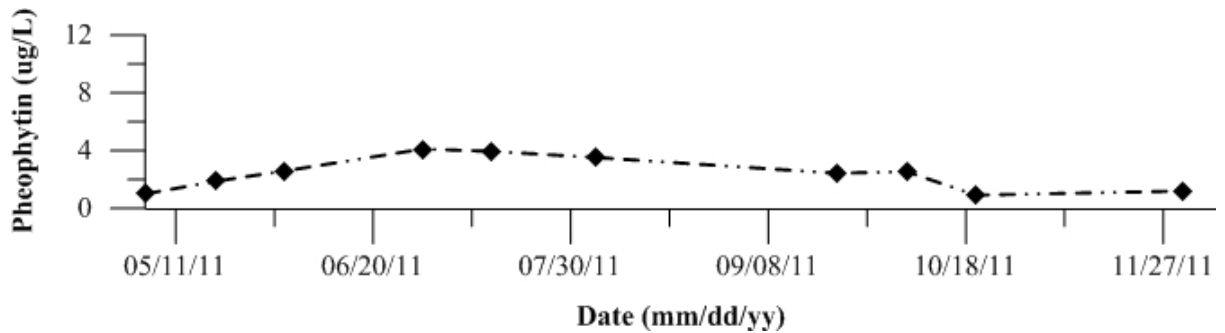


Figure 866: Pheophytin as determined by spectrophotometric methods for Site 4 SJR at Mossdale. Data collected in 2011.

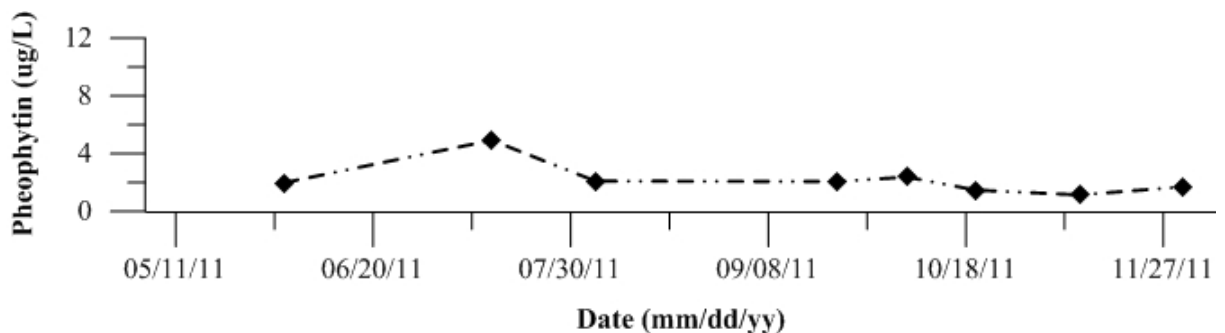


Figure 867: Pheophytin as determined by spectrophotometric methods for Site 5 SJR at McCune Station. Data collected in 2011.

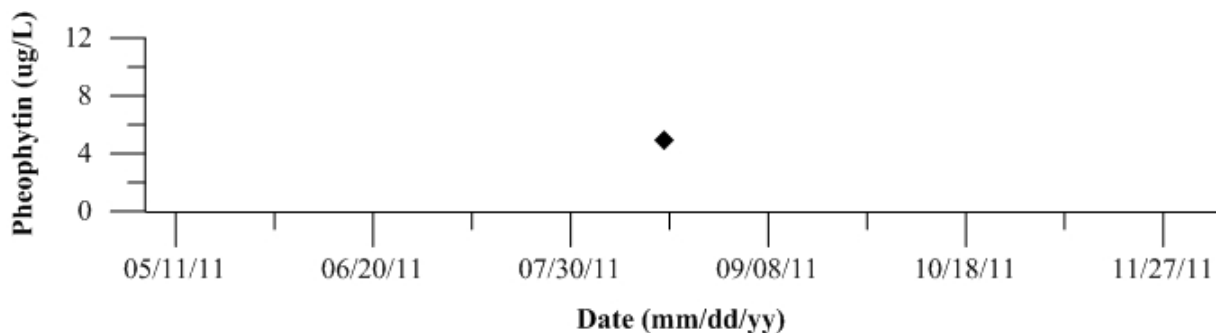


Figure 868: Pheophytin as determined by spectrophotometric methods for Site 7 SJR at Patterson. Data collected in 2011.

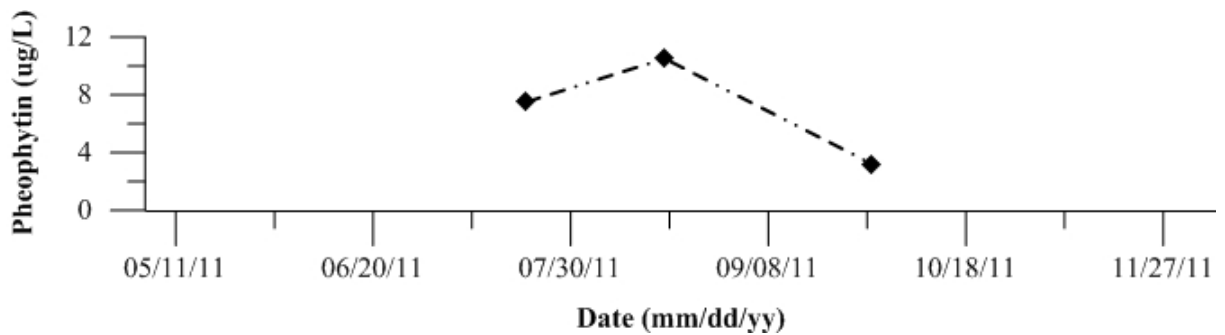


Figure 869: Pheophytin as determined by spectrophotometric methods for Site 10 SJR at Lander Avenue. Data collected in 2011.

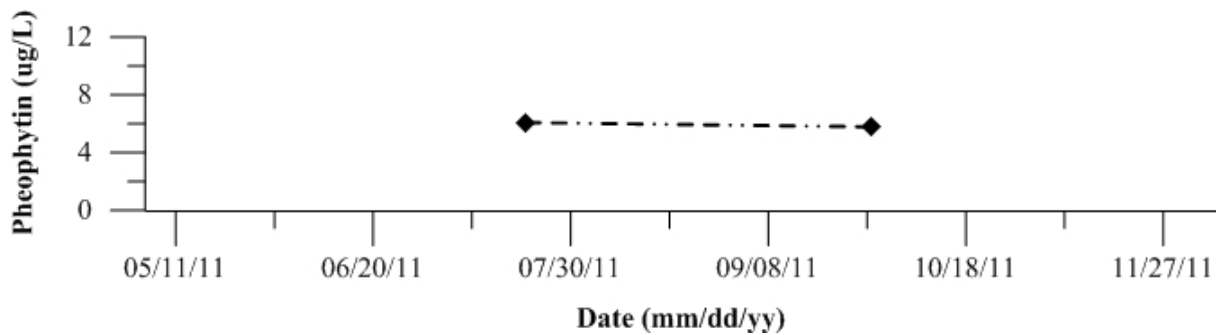


Figure 870: Pheophytin as determined by spectrophotometric methods for Site 11 French Camp Slough. Data collected in 2011.

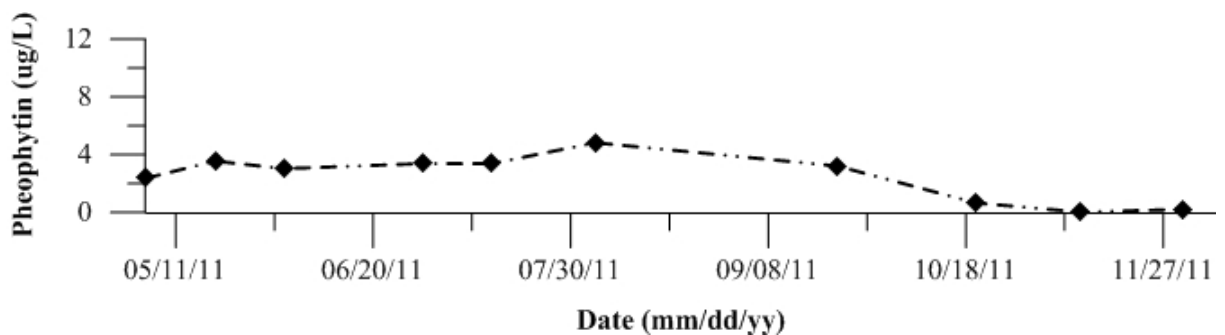


Figure 871: Pheophytin as determined by spectrophotometric methods for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

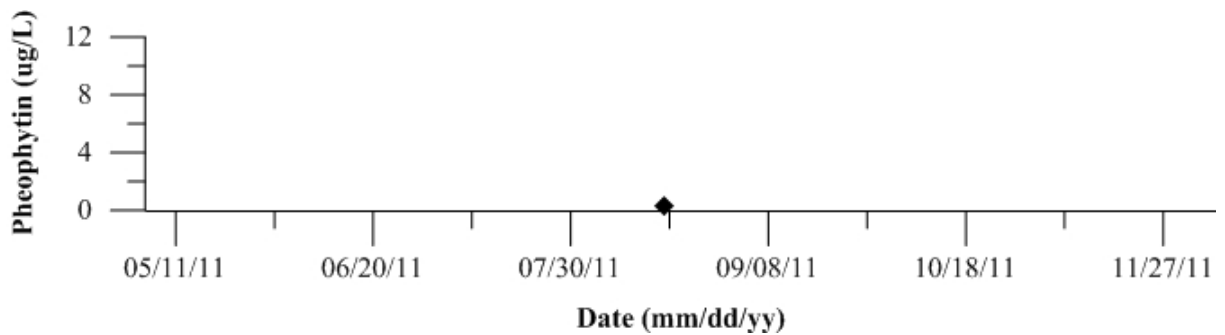


Figure 872: Pheophytin as determined by spectrophotometric methods for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

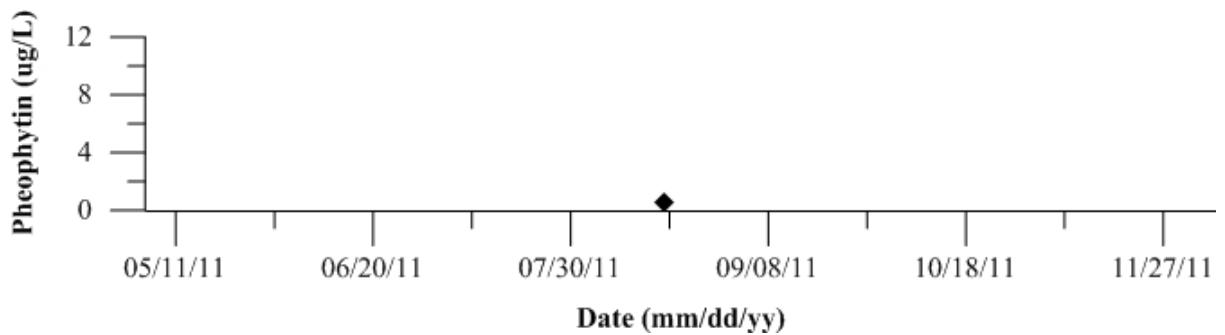


Figure 873: Pheophytin as determined by spectrophotometric methods for Site 16 Merced River at River Road. Data collected in 2011.

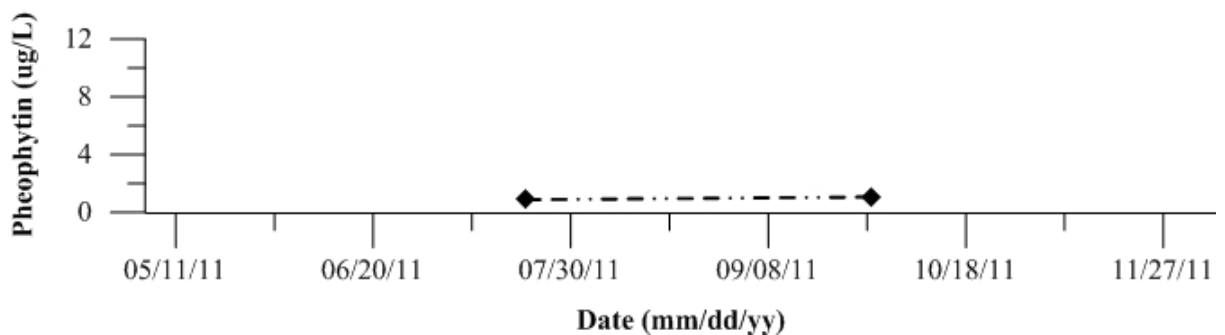


Figure 874: Pheophytin as determined by spectrophotometric methods for Site 18 Mud Slough near Gustine. Data collected in 2011.

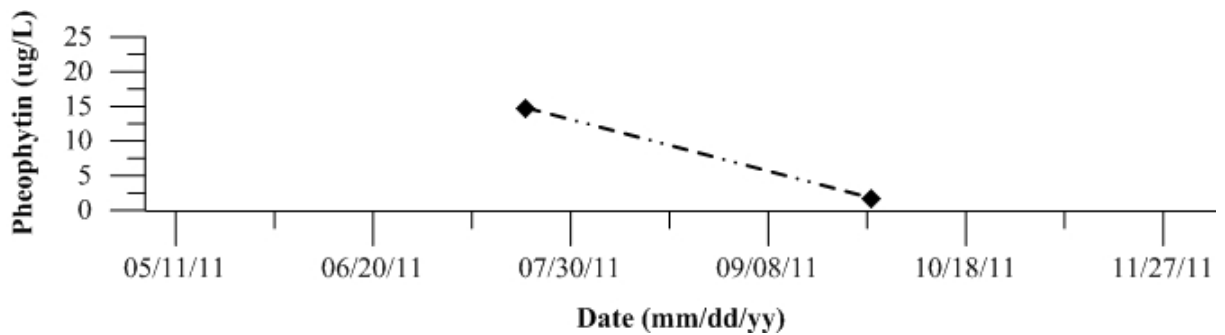


Figure 875: Pheophytin as determined by spectrophotometric methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

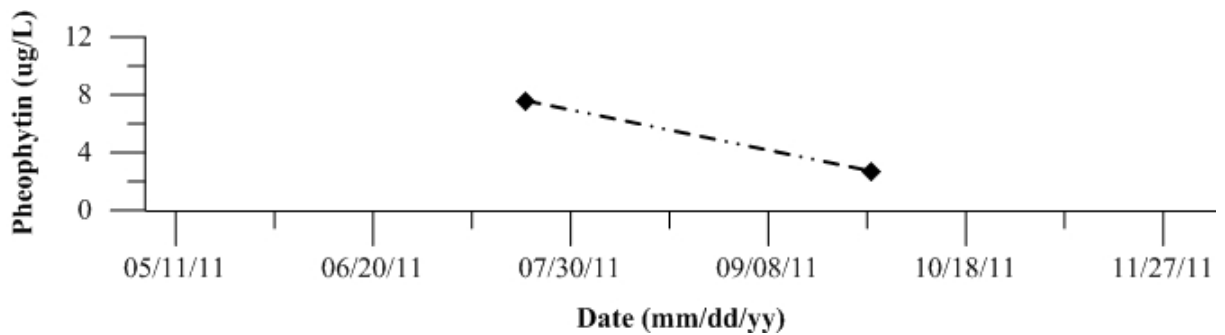


Figure 876: Pheophytin as determined by spectrophotometric methods for Site 21 Orestimba Creek at River Road. Data collected in 2011.

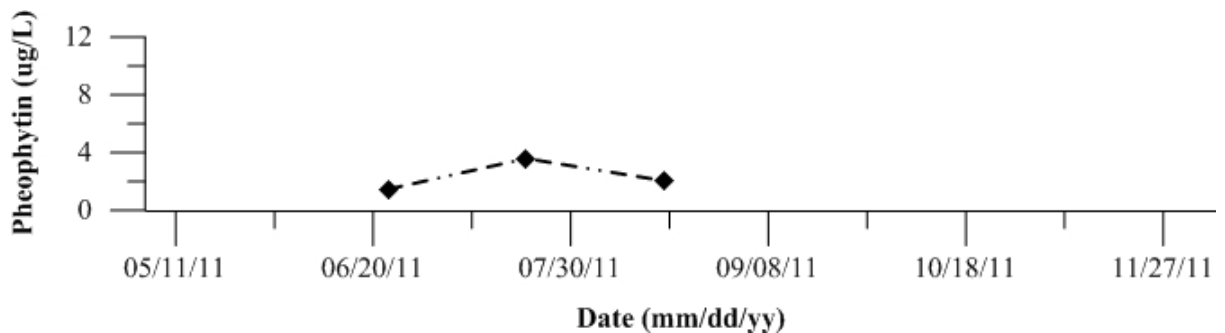


Figure 877: Pheophytin as determined by spectrophotometric methods for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

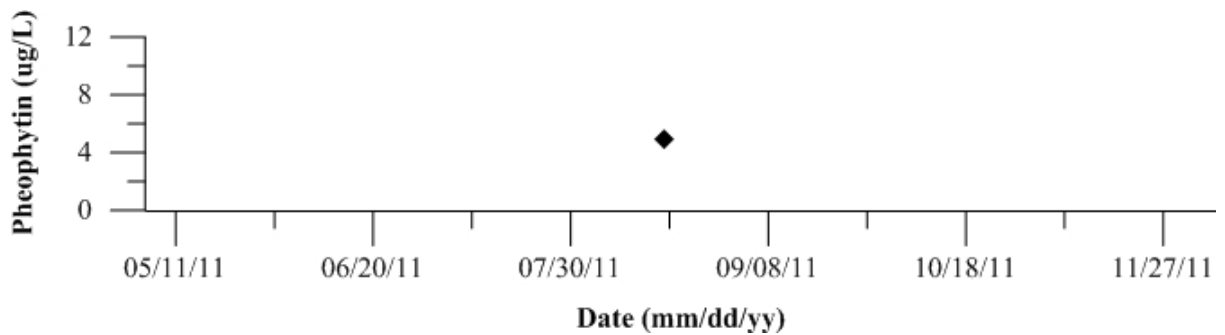


Figure 878: Pheophytin as determined by spectrophotometric methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

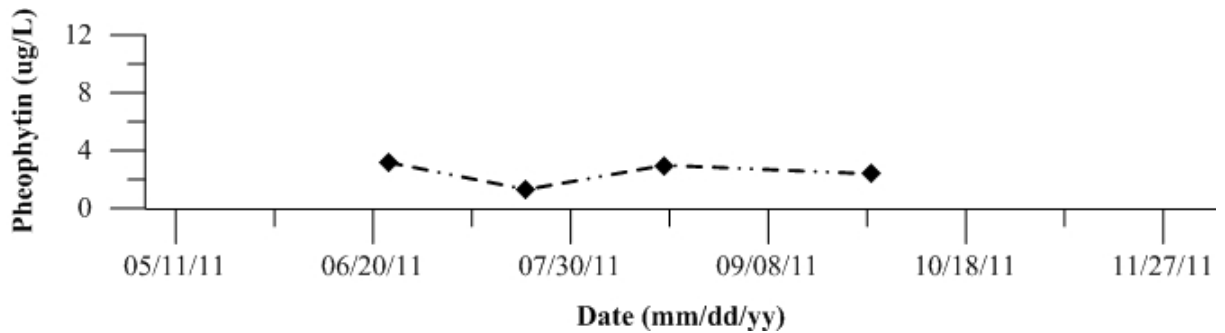


Figure 879: Pheophytin as determined by spectrophotometric methods for Site 34 Ingram Creek. Data collected in 2011.

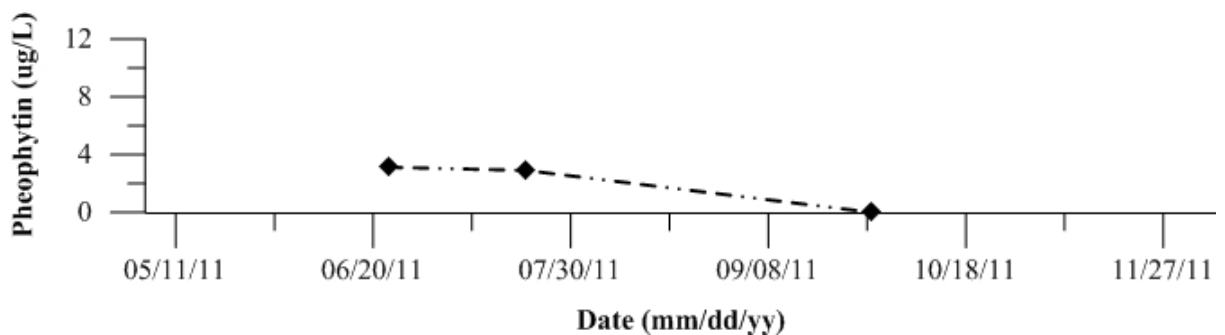


Figure 880: Pheophytin as determined by spectrophotometric methods for Site 36 Del Puerto Creek. Data collected in 2011.

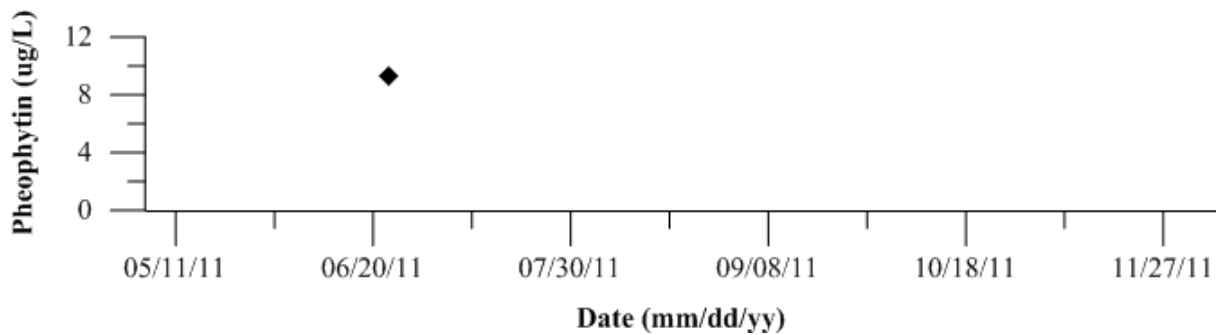


Figure 881: Pheophytin as determined by spectrophotometric methods for Site 44 San Luis Drain End. Data collected in 2011.

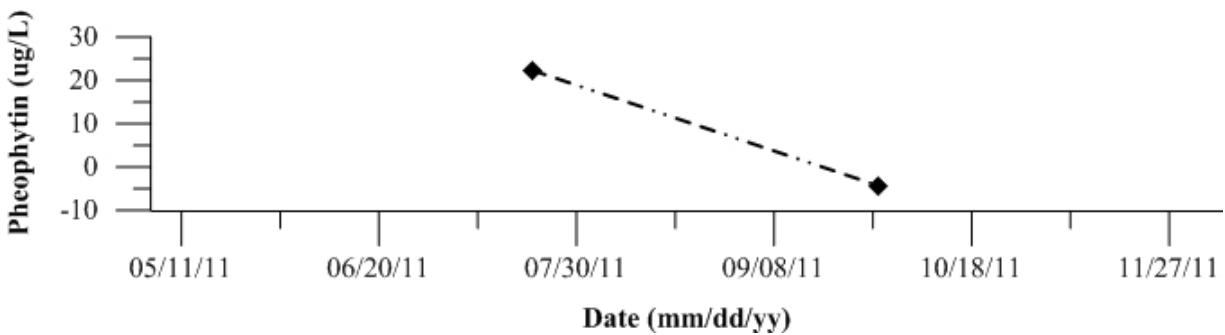


Figure 882: Pheophytin as determined by spectrophotometric methods for Site 57 Ramona Lake. Data collected in 2011.

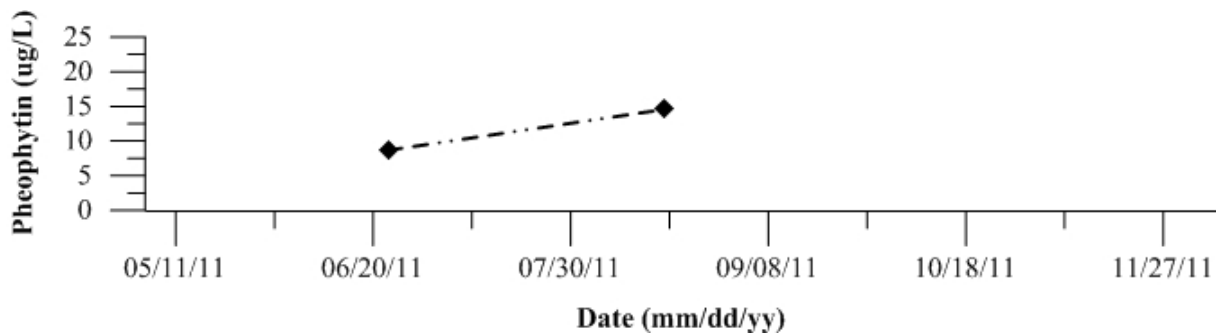


Figure 883: Pheophytin as determined by spectrophotometric methods for Site 127 SJR at Brant Bridge. Data collected in 2011.

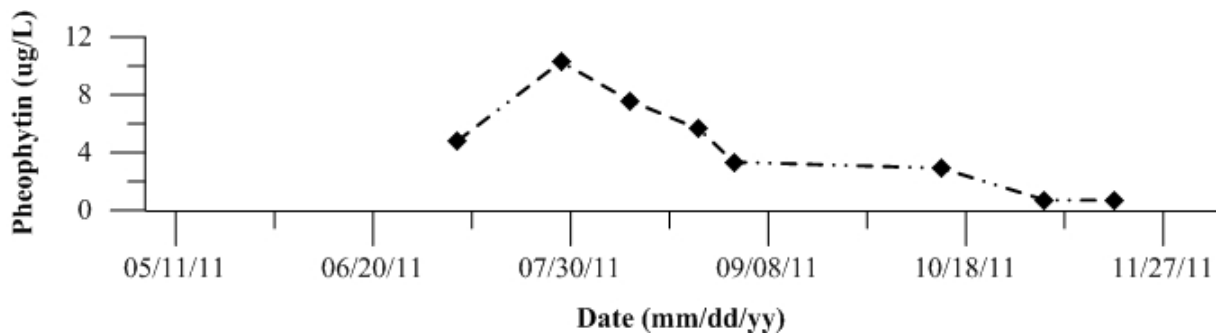


Figure 884: Pheophytin as determined by spectrophotometric methods for Site 402 Light 18 (Node 96). Data collected in 2011.

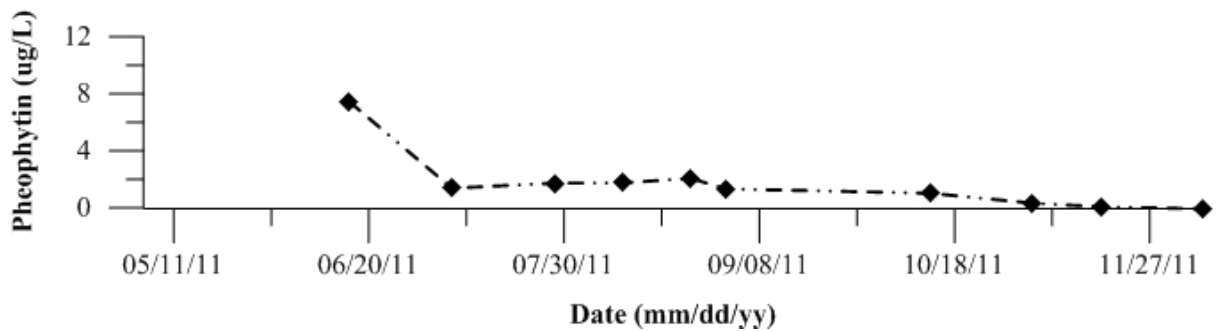


Figure 885: Pheophytin as determined by spectrophotometric methods for Site 405 Calaveras River. Data collected in 2011.

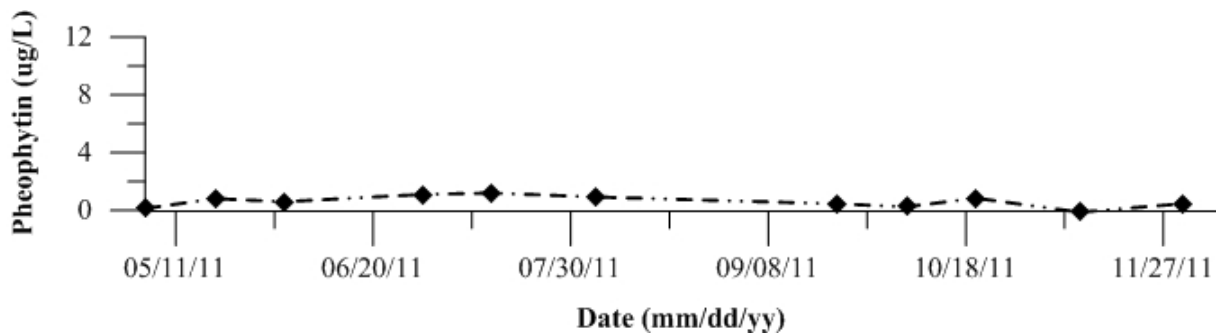


Figure 886: Pheophytin as determined by spectrophotometric methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

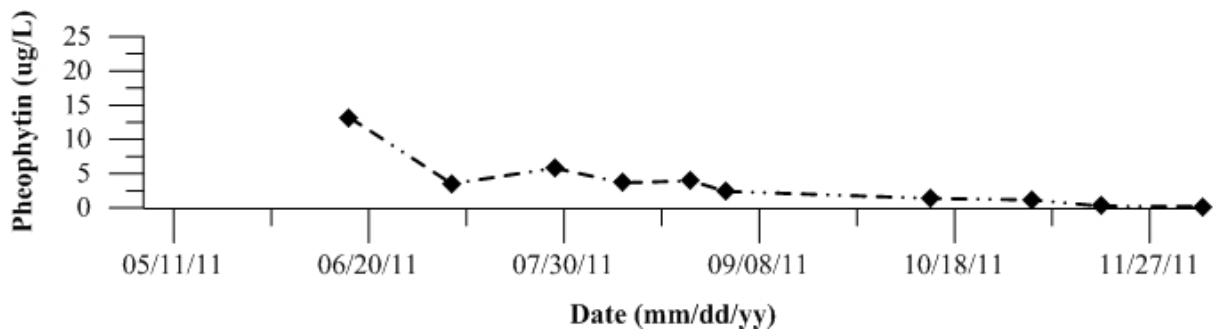


Figure 887: Pheophytin as determined by spectrophotometric methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

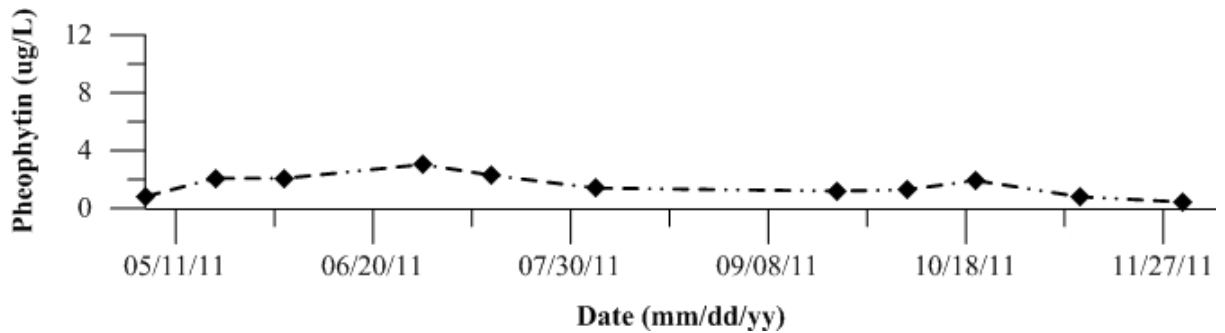


Figure 888: Pheophytin as determined by spectrophotometric methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

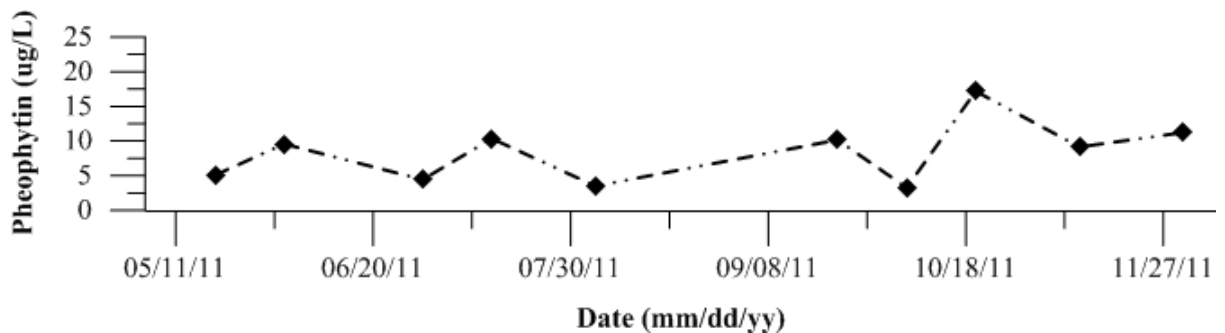


Figure 889: Pheophytin as determined by spectrophotometric methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

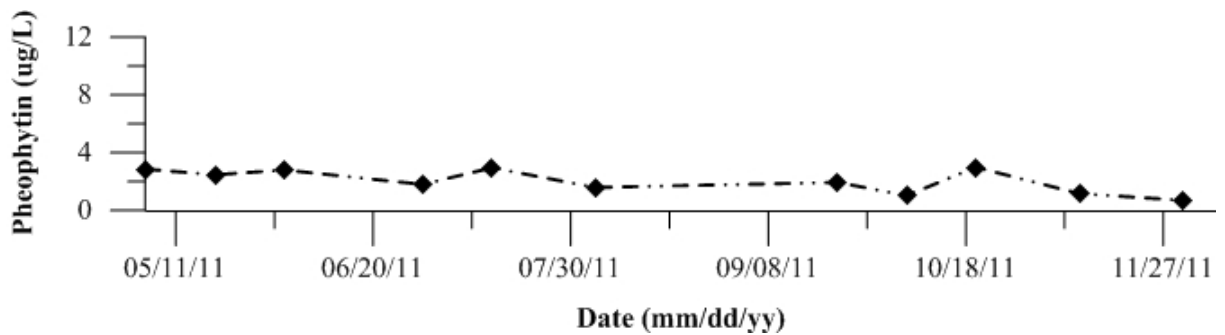


Figure 890: Pheophytin as determined by spectrophotometric methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

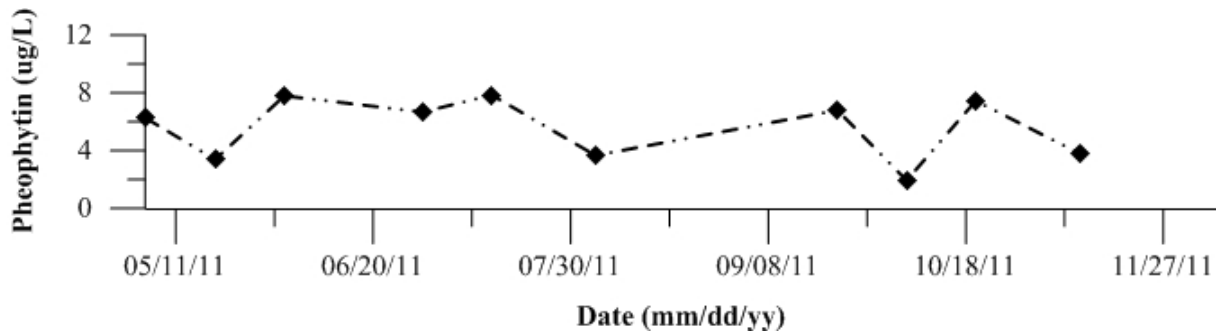


Figure 891: Pheophytin as determined by spectrophotometric methods for Site 424 14mi Slough

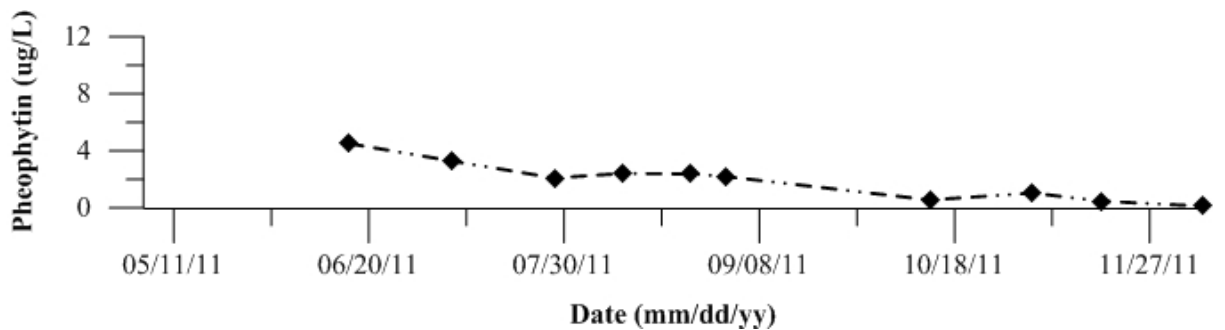


Figure 892: Pheophytin as determined by spectrophotometric methods for Site 425 Turner Cut. Data collected in 2011.

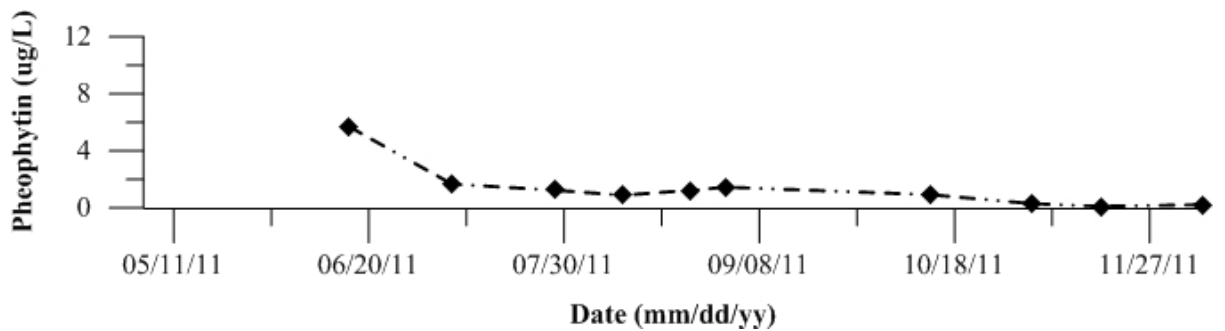


Figure 893: Pheophytin as determined by spectrophotometric methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

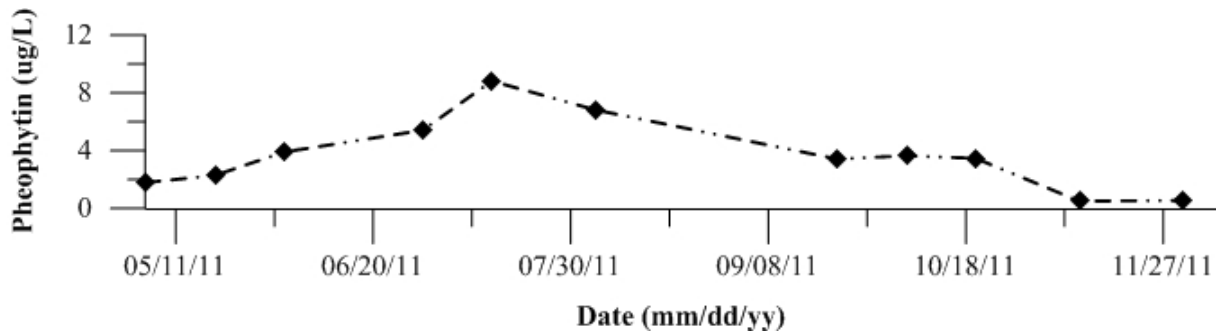


Figure 894: Pheophytin as determined by spectrophotometric methods for Site 427 RM 39 Near Louis Park

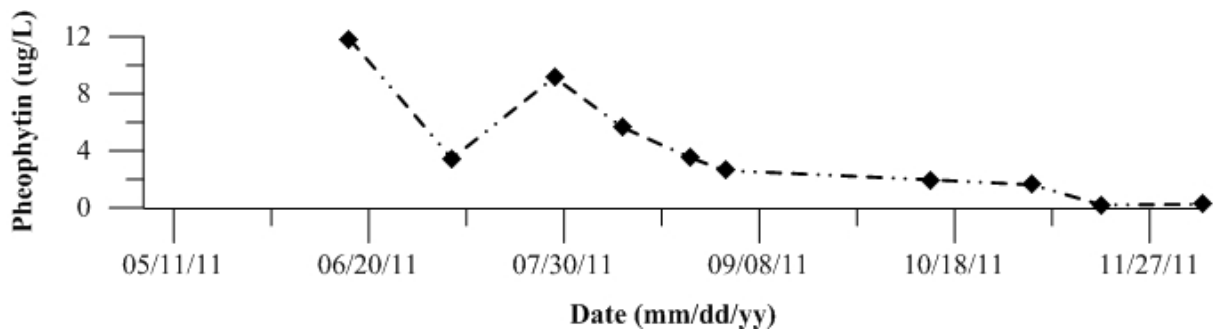


Figure 895: Pheophytin as determined by spectrophotometric methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

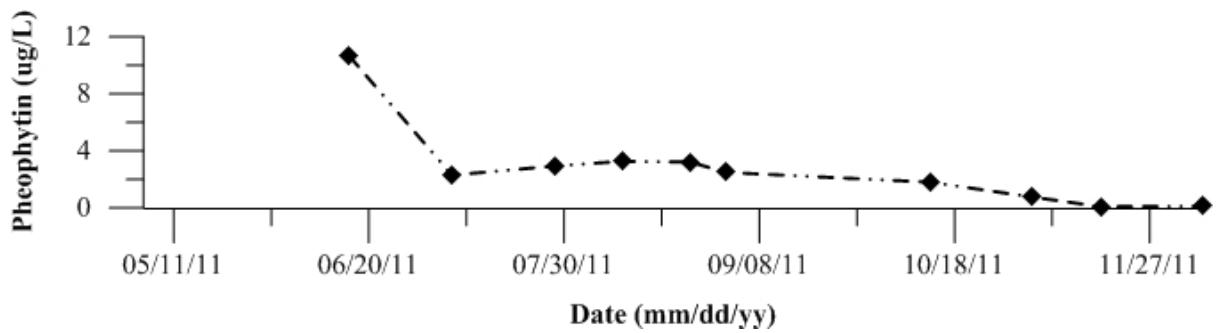
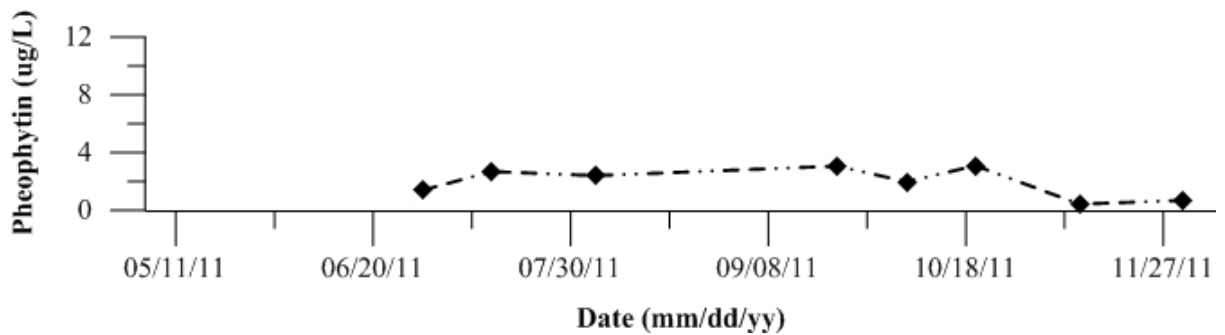


Figure 896: Pheophytin as determined by spectrophotometric methods for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 897-928: Temporal plots of algal pigments by Site ID

Figure 897: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 2 SJR at Dos Reis Park. Data collected in 2011.

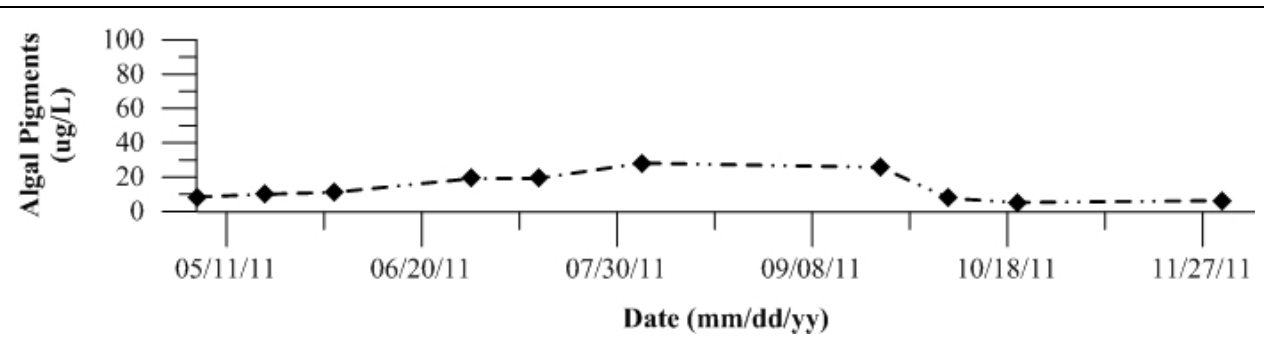


Figure 898: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 4 SJR at Mossdale. Data collected in 2011.

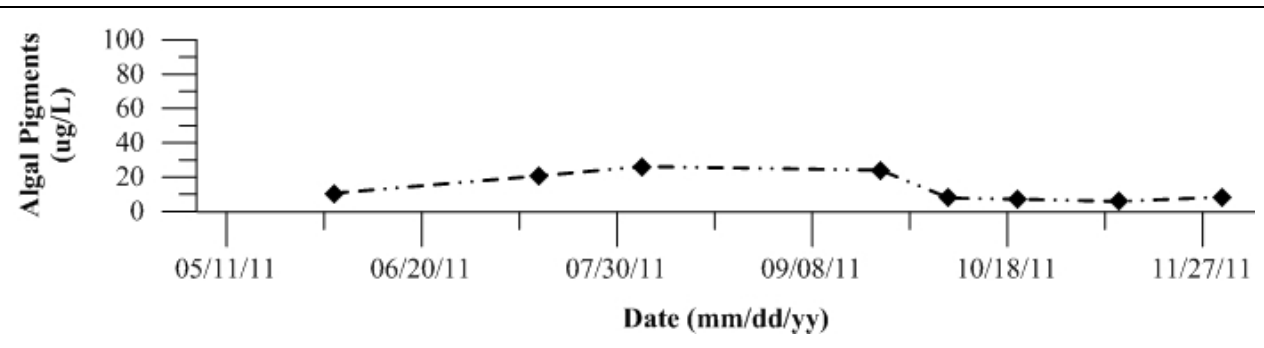


Figure 899: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 5 SJR at McCune Station. Data collected in 2011.

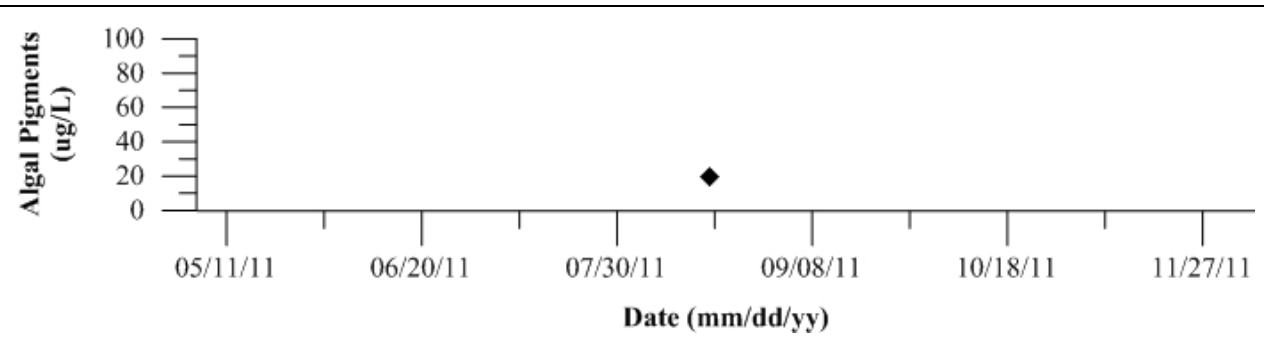


Figure 900: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 7 SJR at Patterson. Data collected in 2011.

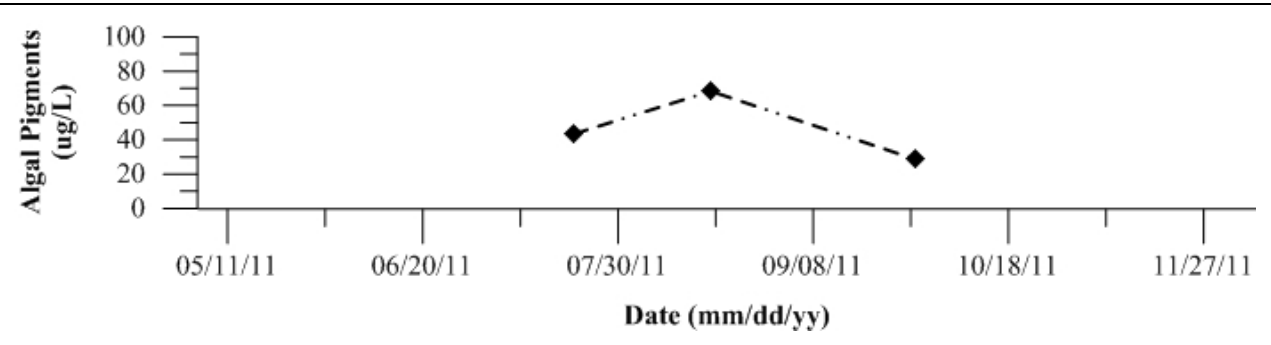


Figure 901: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 10 SJR at Lander Avenue. Data collected in 2011.

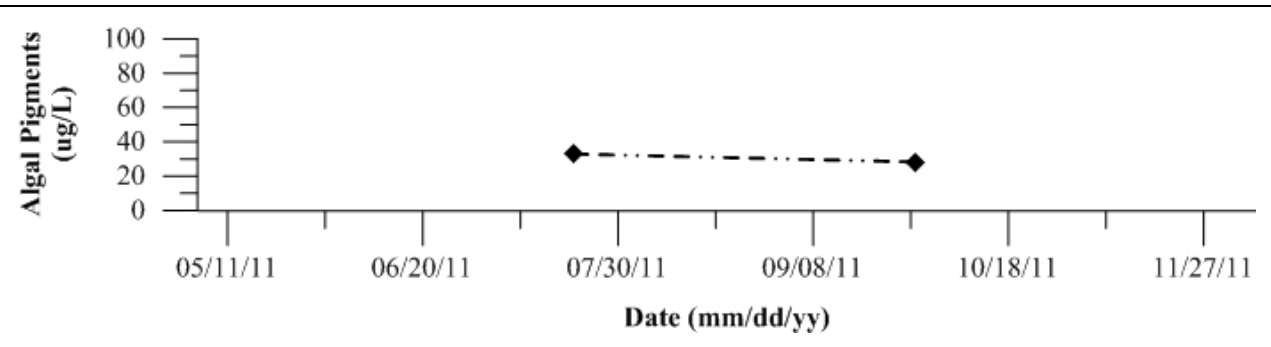


Figure 902: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 11 French Camp Slough. Data collected in 2011.

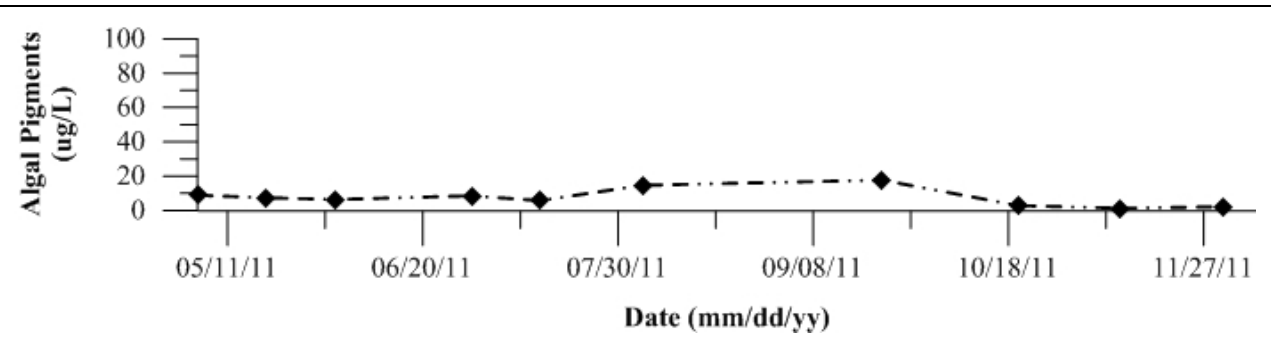


Figure 903: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

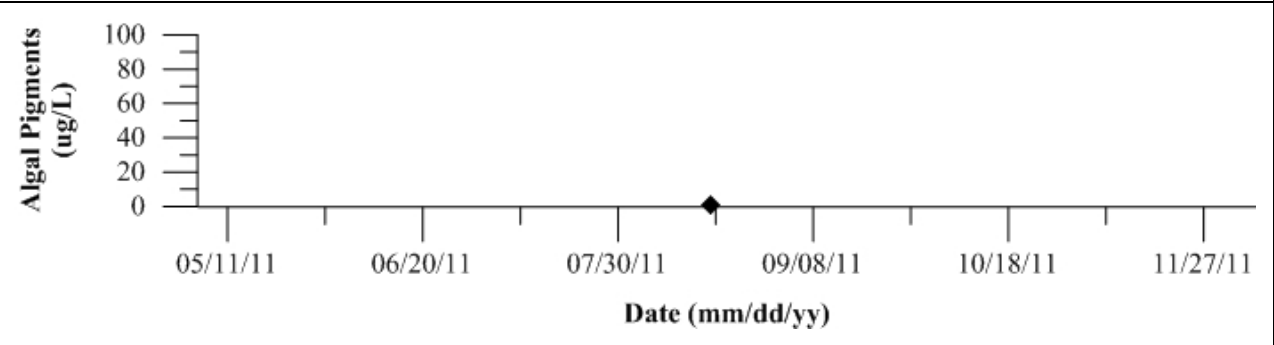


Figure 904: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

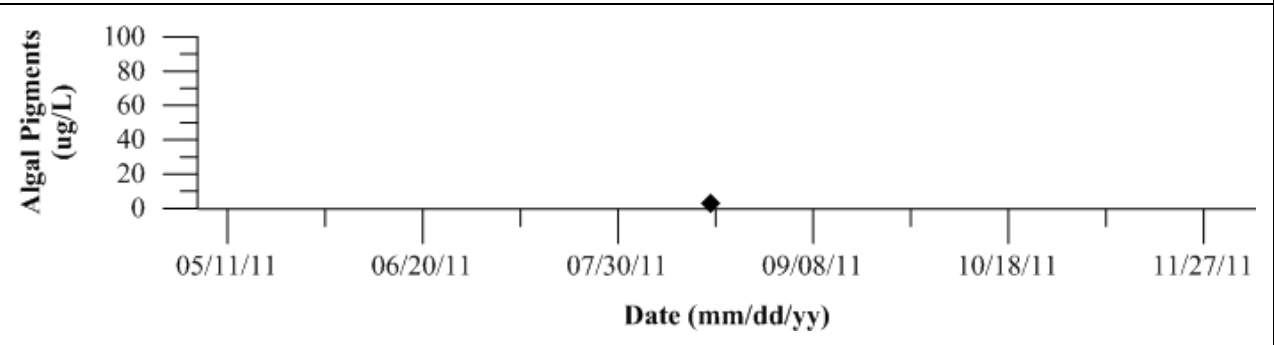


Figure 905: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 16 Merced River at River Road. Data collected in 2011.

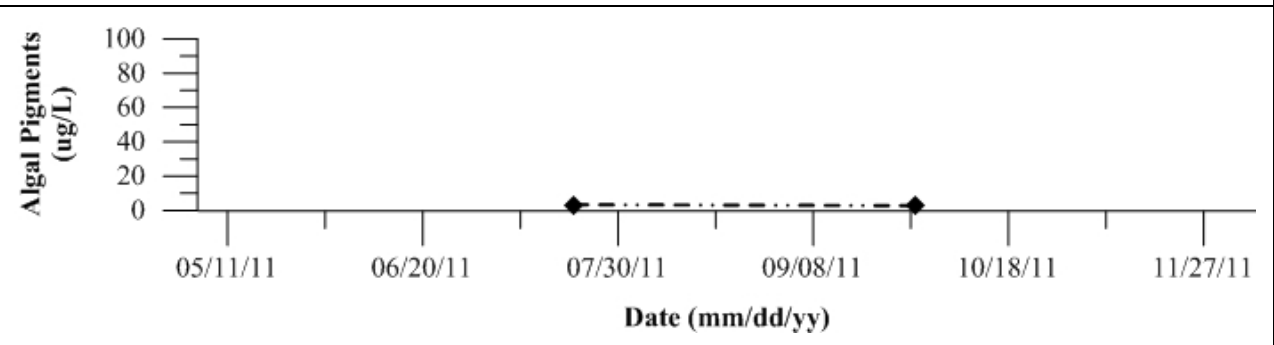


Figure 906: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 18 Mud Slough near Gustine. Data collected in 2011.

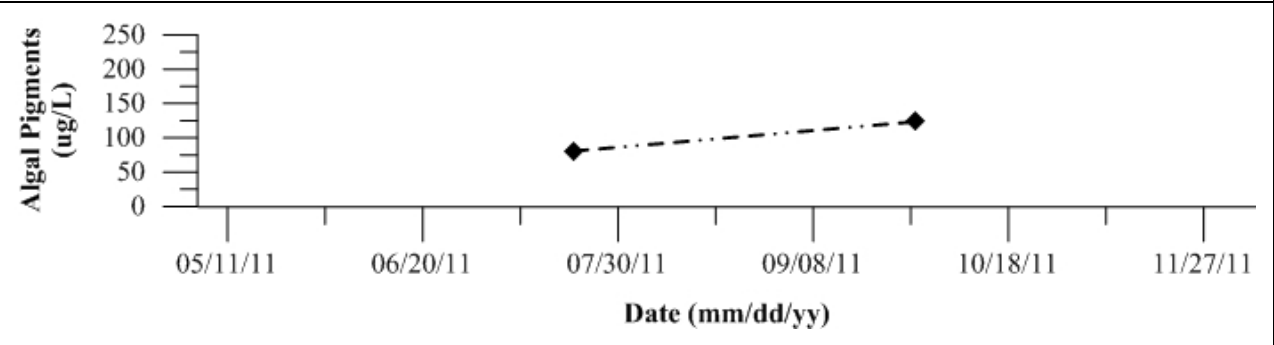


Figure 907: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

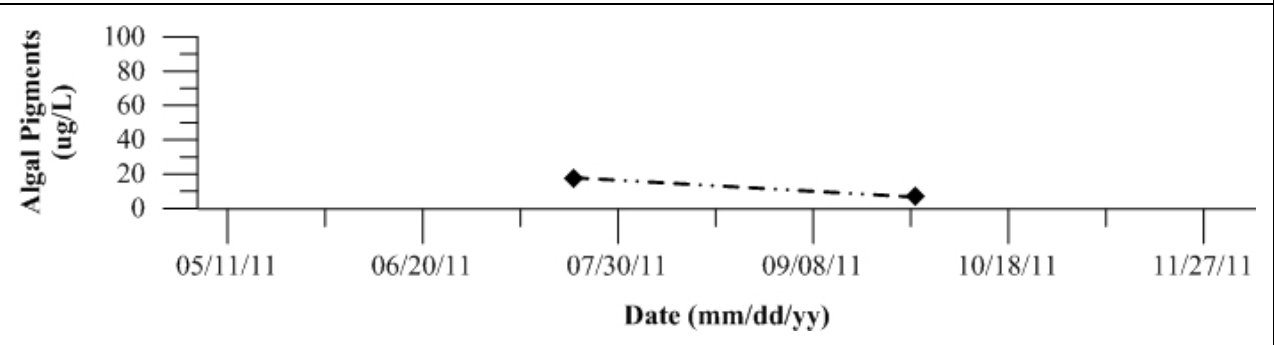


Figure 908: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 21 Orestimba Creek at River Road. Data collected in 2011.

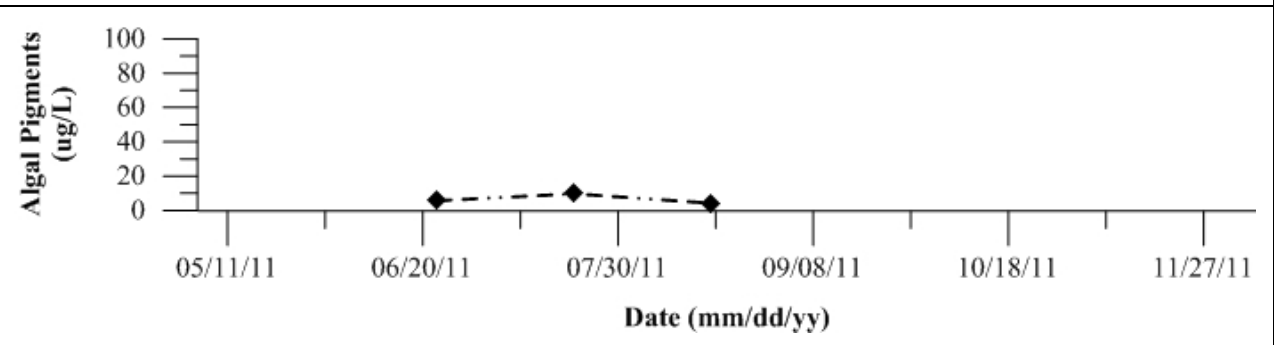


Figure 909: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

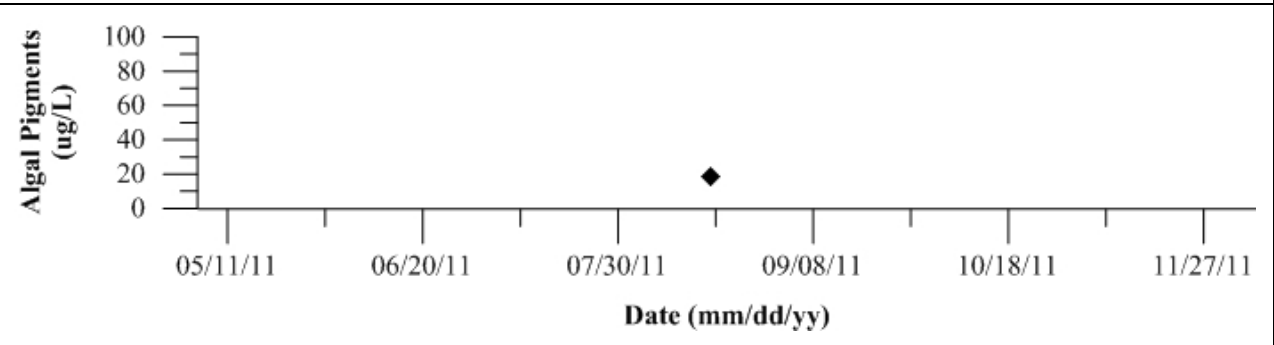


Figure 910: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

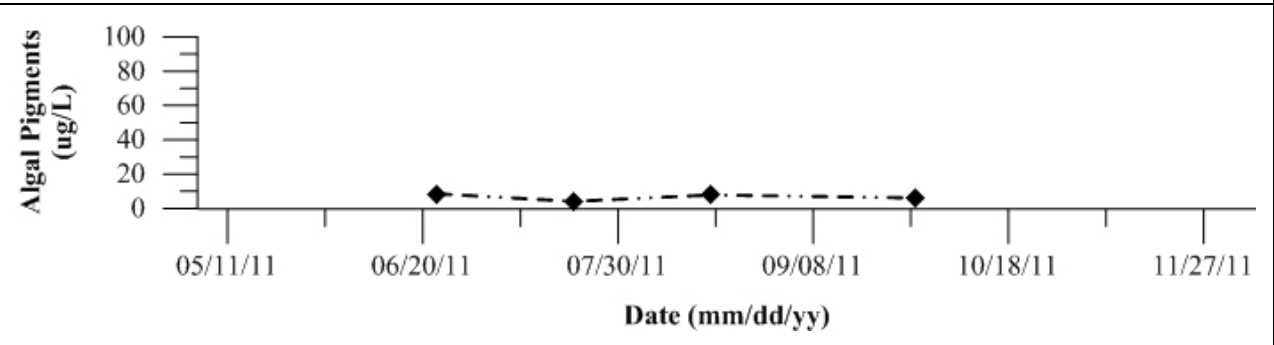


Figure 911: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 34 Ingram Creek. Data collected in 2011.

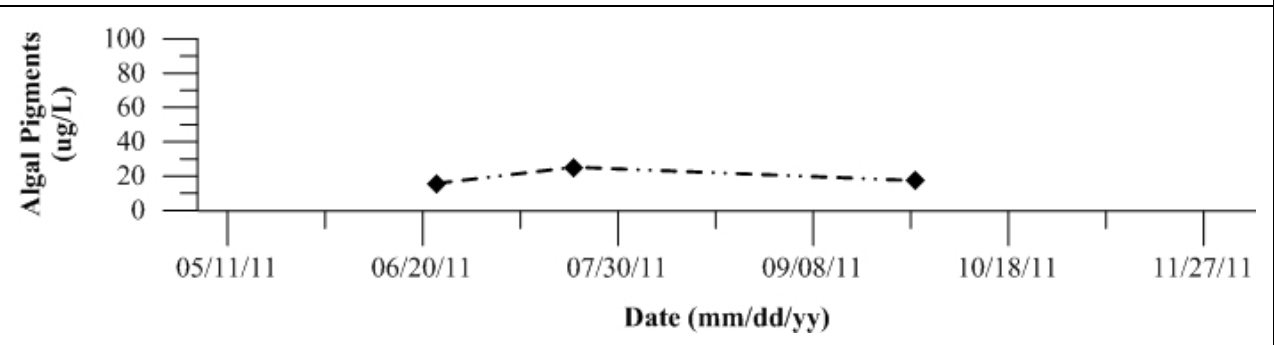


Figure 912: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 36 Del Puerto Creek. Data collected in 2011.

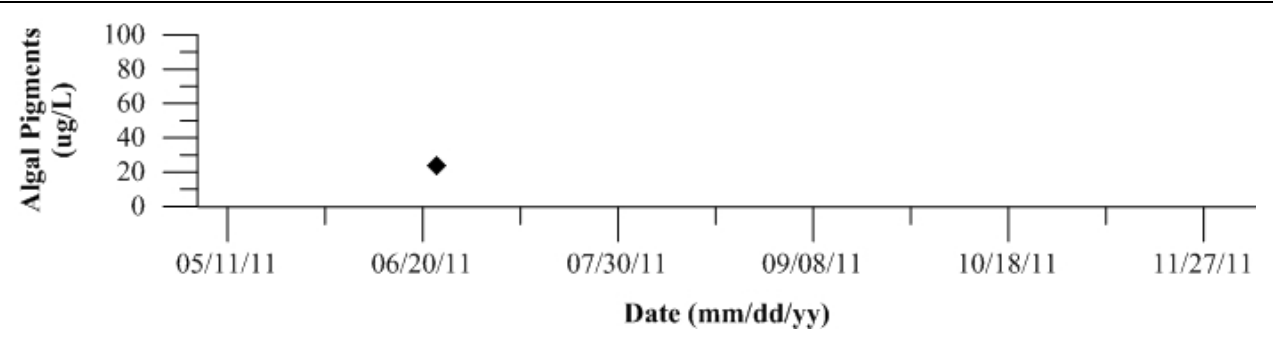


Figure 913: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 44 San Luis Drain End. Data collected in 2011.

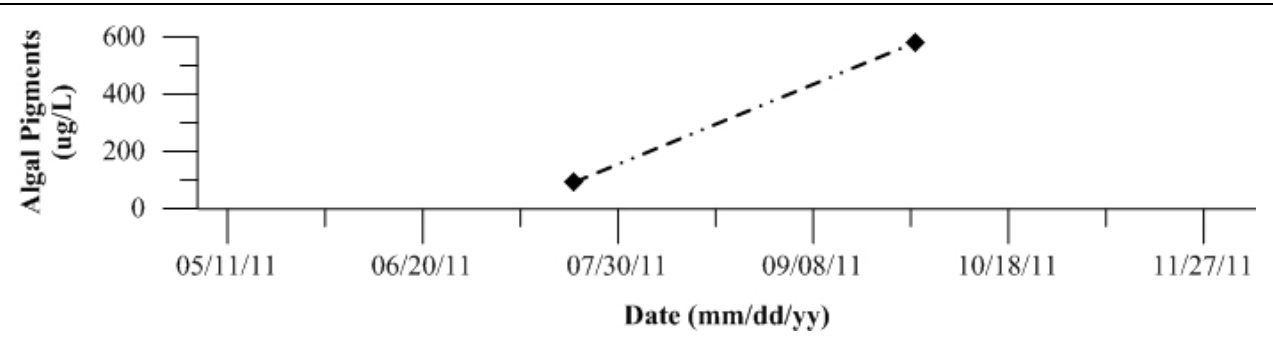


Figure 914: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 57 Ramona Lake. Data collected in 2011.

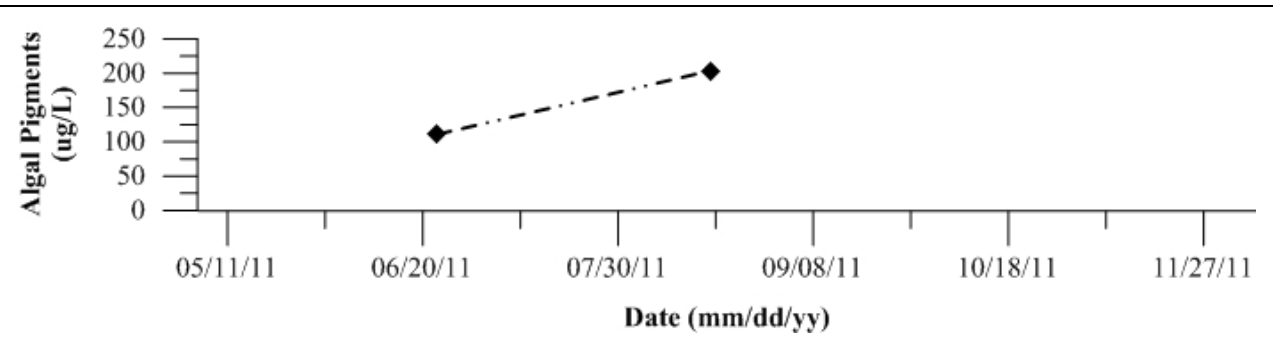


Figure 915: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 127 SJR at Brant Bridge. Data collected in 2011.

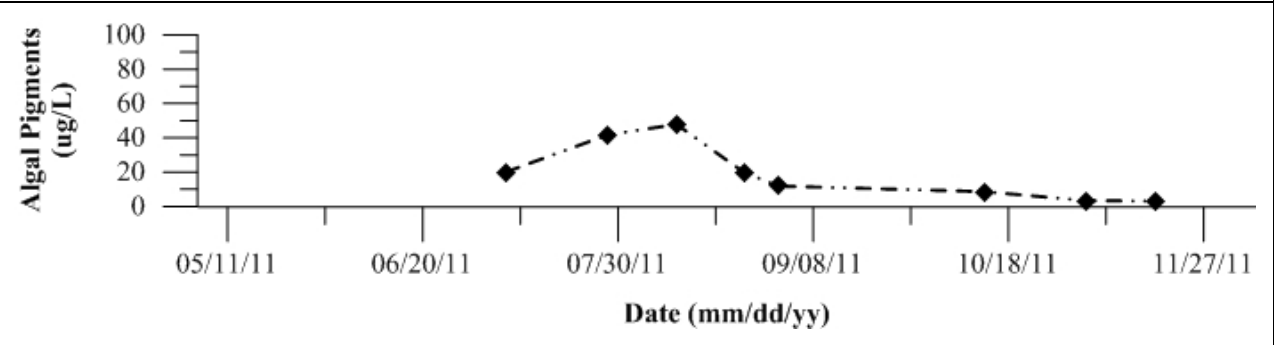


Figure 916: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 402 Light 18 (Node 96). Data collected in 2011.

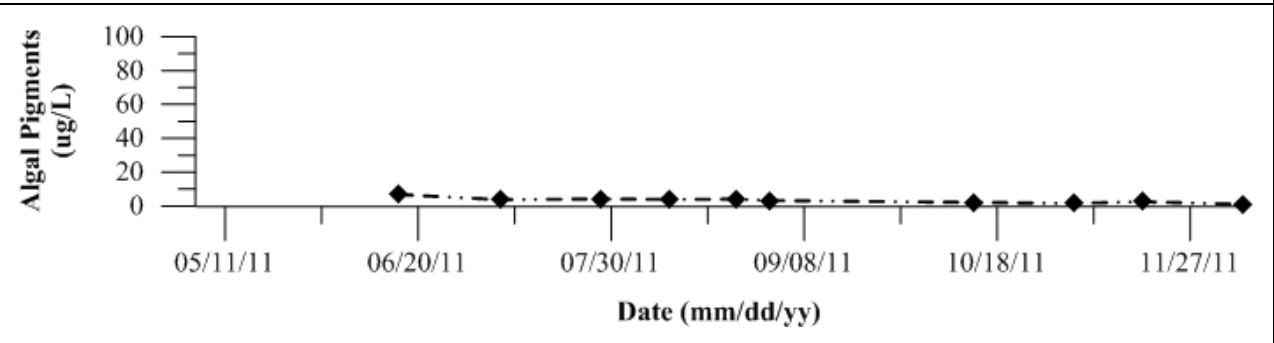


Figure 917: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 405 Calaveras River. Data collected in 2011.

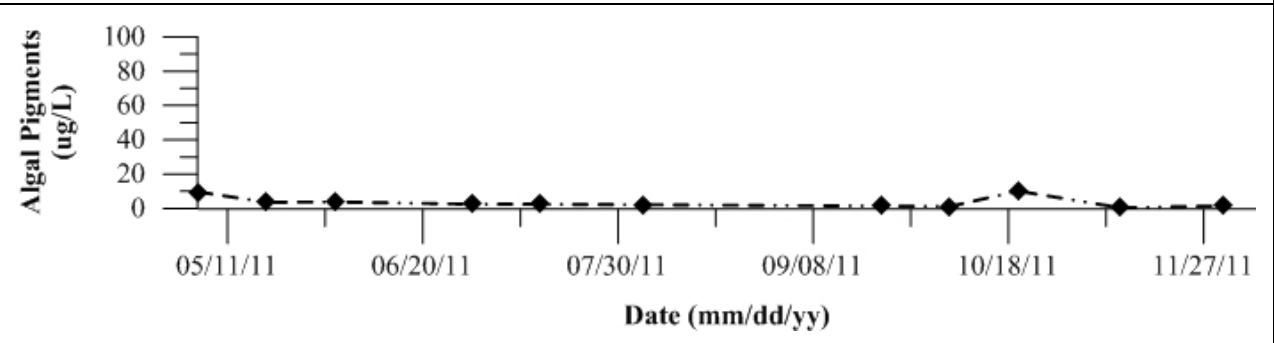


Figure 918: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

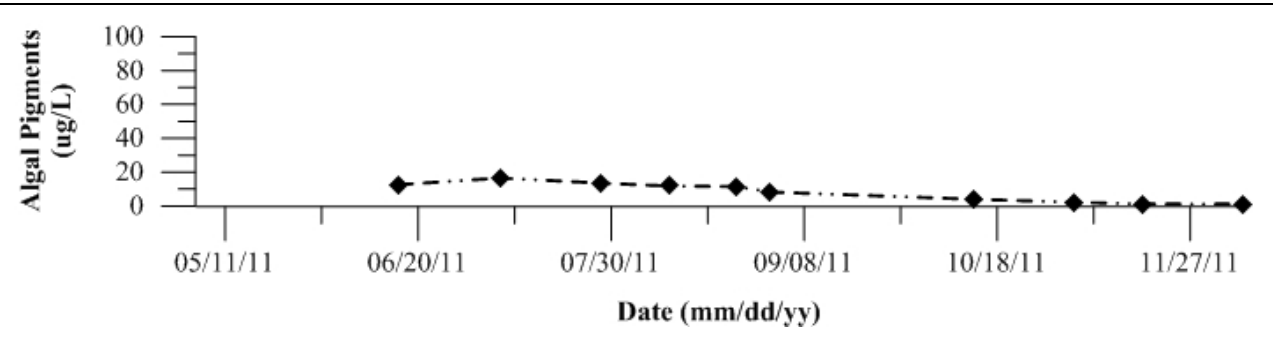


Figure 919: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

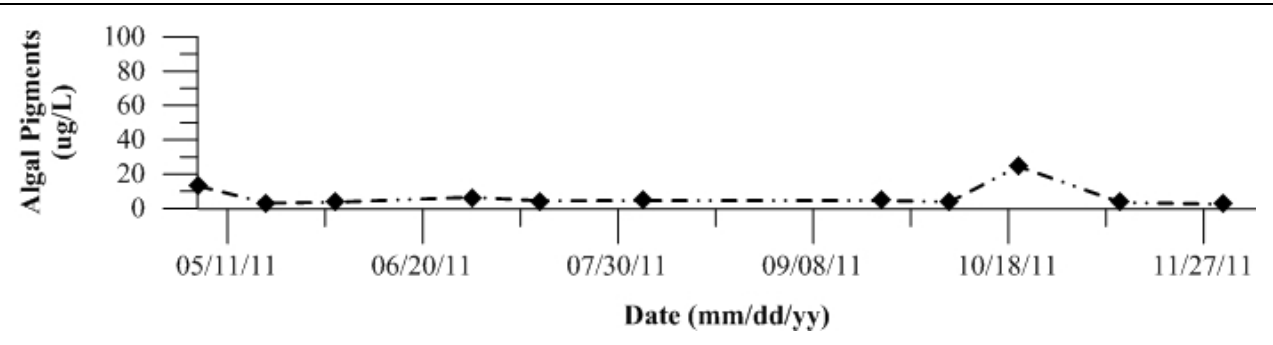


Figure 920: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

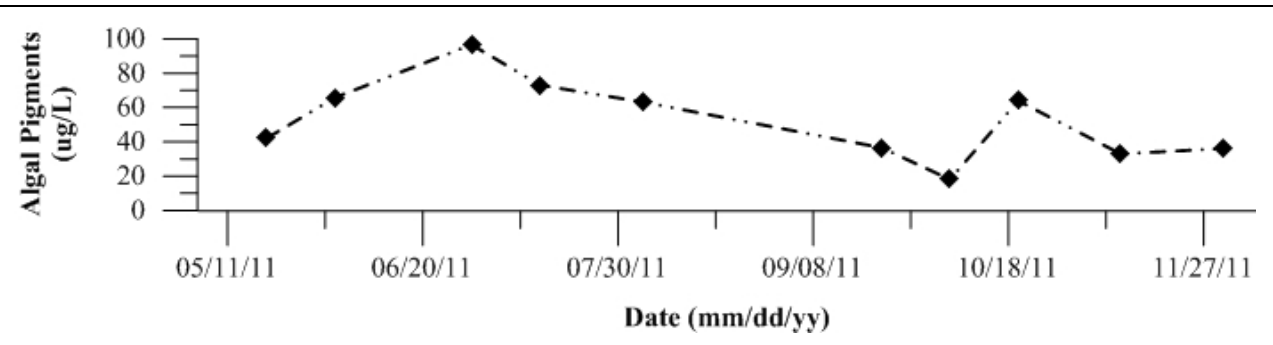


Figure 921: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

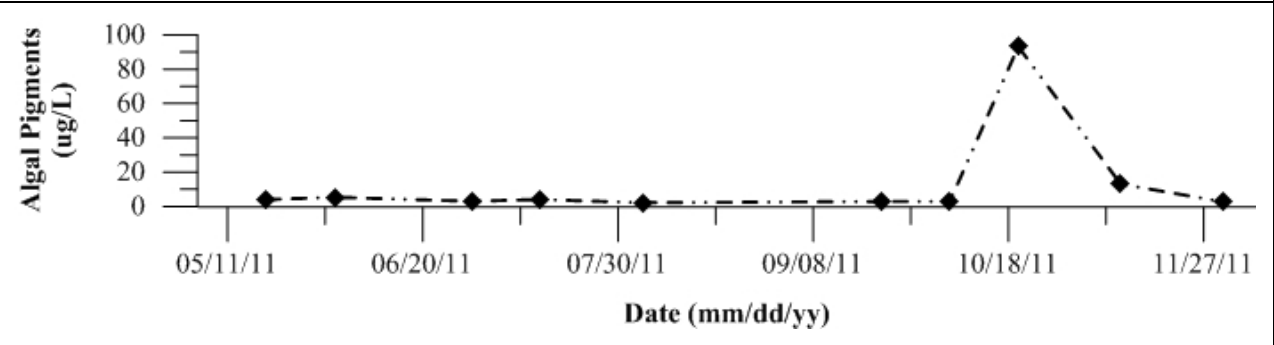


Figure 922: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

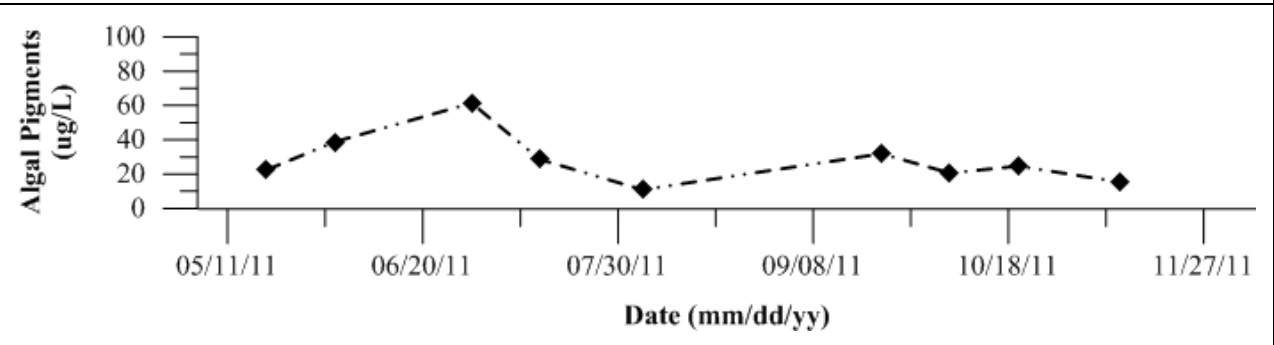


Figure 923: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 424 14mi Slough. Data collected in 2011.

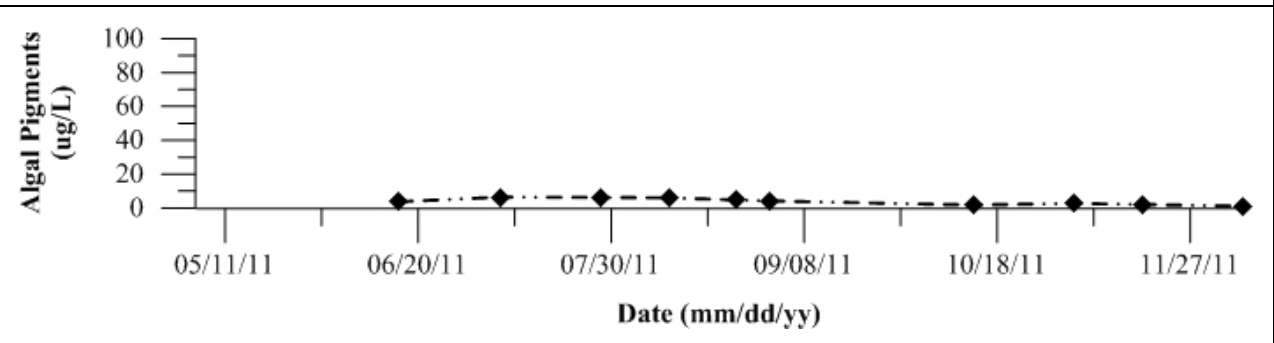


Figure 924: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 425 Turner Cut. Data collected in 2011.

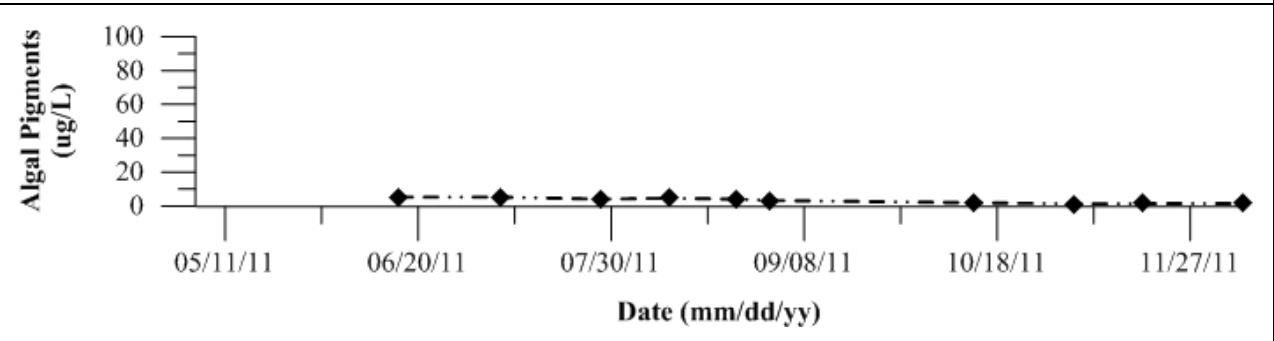


Figure 925: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

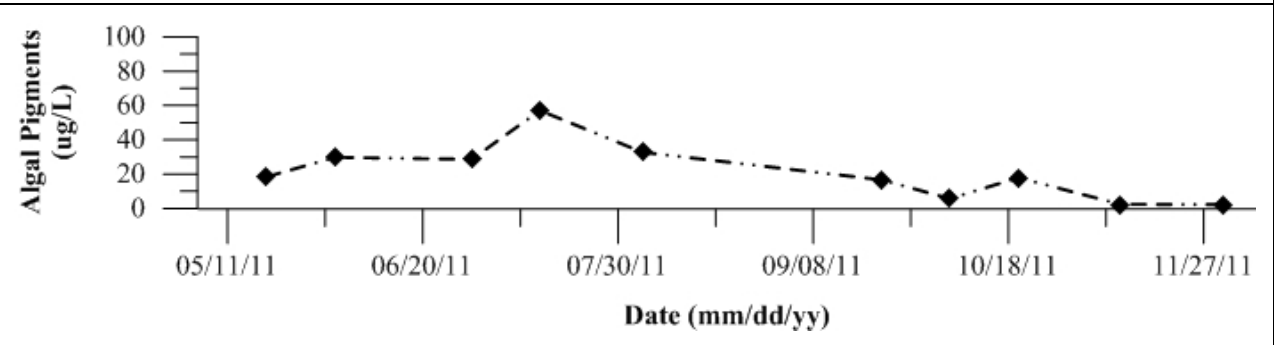


Figure 926: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 427 RM 39 Near Louis Park. Data collected in 2011.

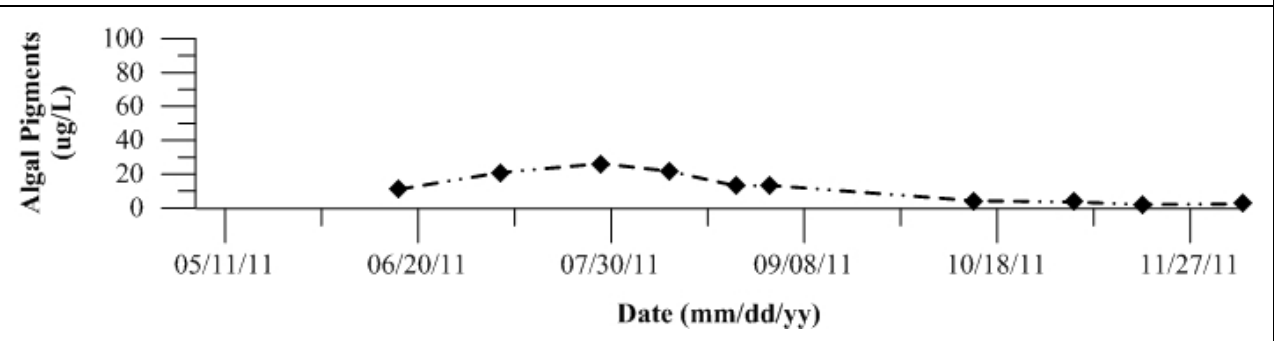


Figure 927: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

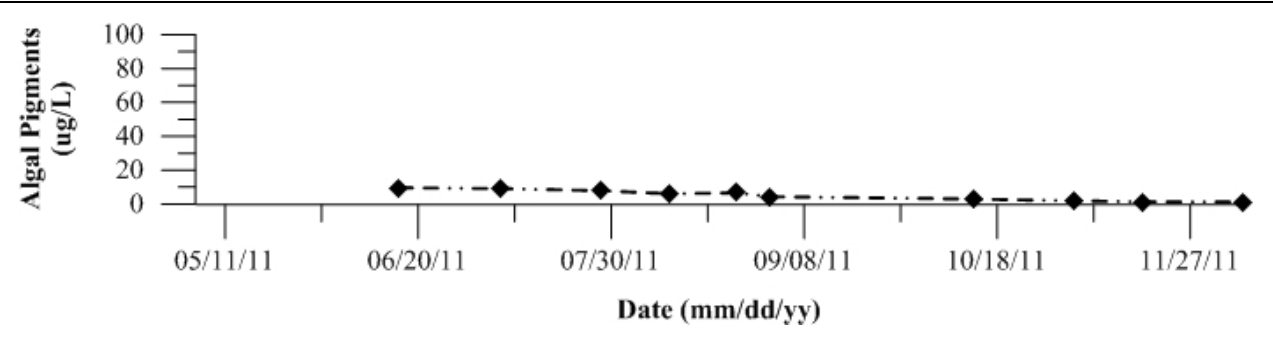
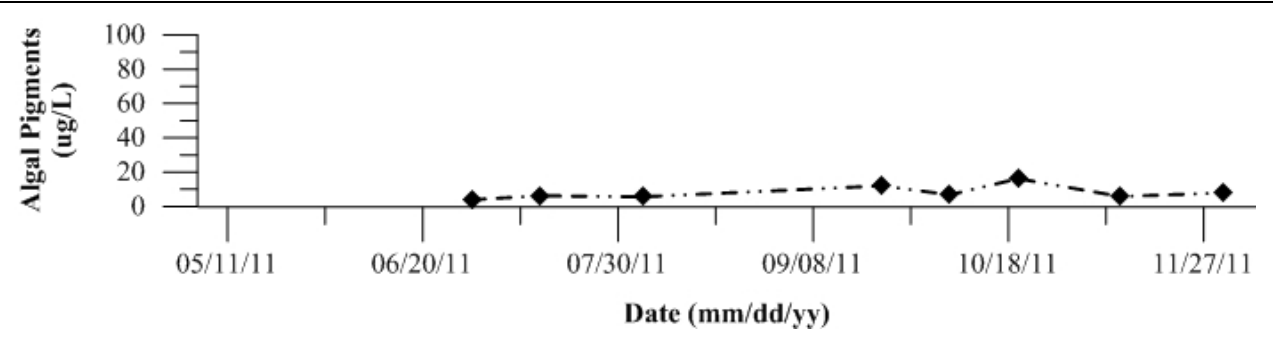


Figure 928: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 929-960: Temporal plots of dissolved silica by Site ID

Figure 929: Dissolved Silica as SiO₂-Si for Site 2 SJR at Dos Reis Park. Data collected in 2011.

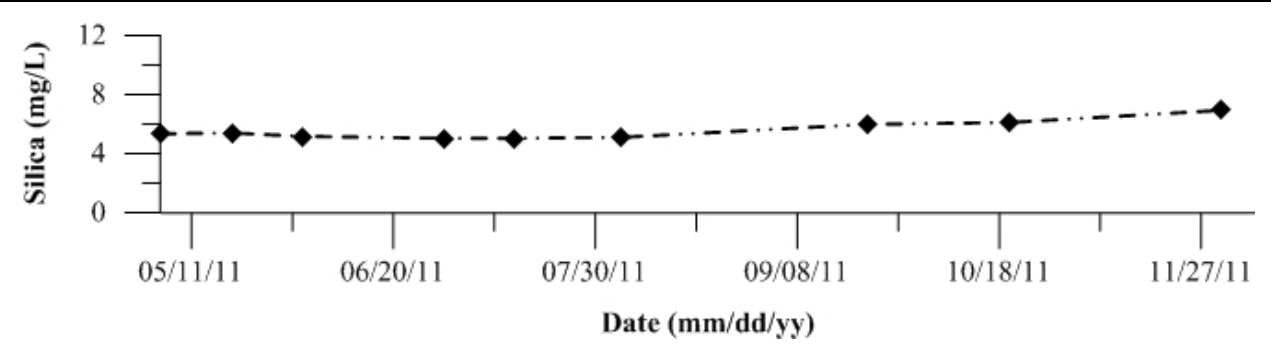


Figure 930: Dissolved Silica as SiO₂-Si for Site 4 SJR at Mossdale. Data collected in 2011.

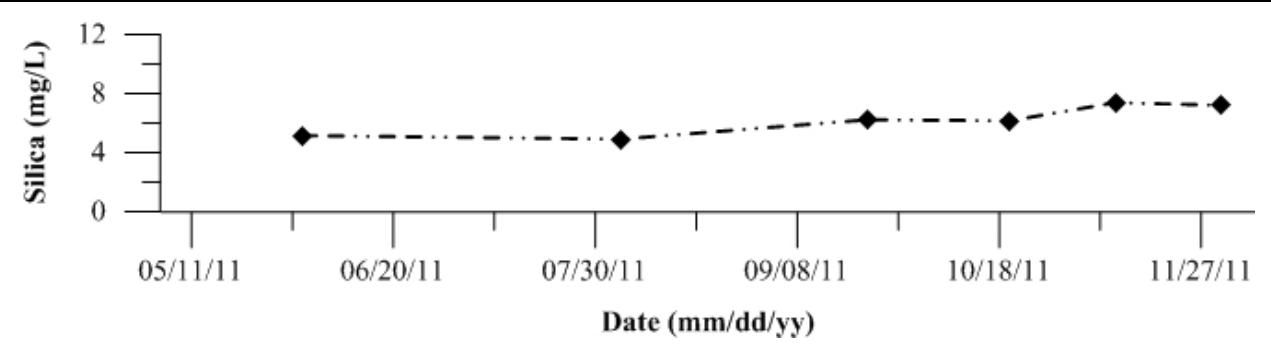


Figure 931: Dissolved Silica as SiO₂-Si for Site 5 SJR at McCune Station. Data collected in 2011.

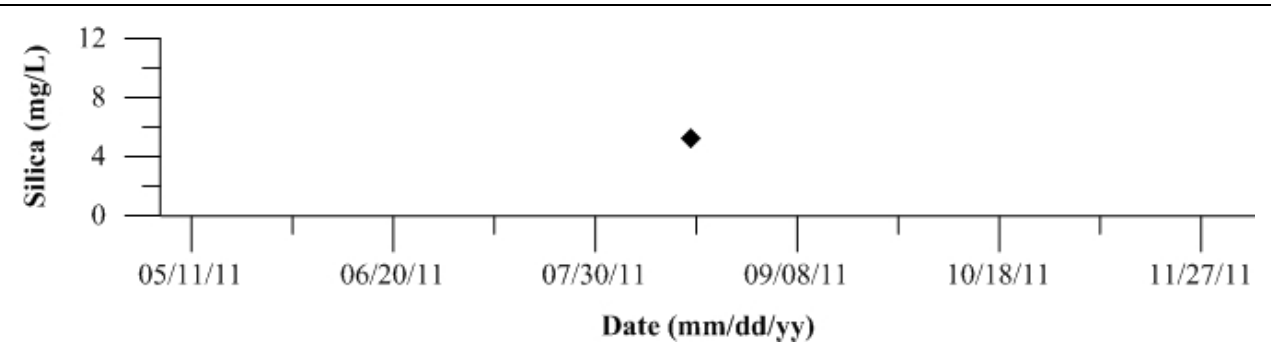


Figure 932: Dissolved Silica as SiO₂-Si for Site 7 SJR at Patterson. Data collected in 2011.

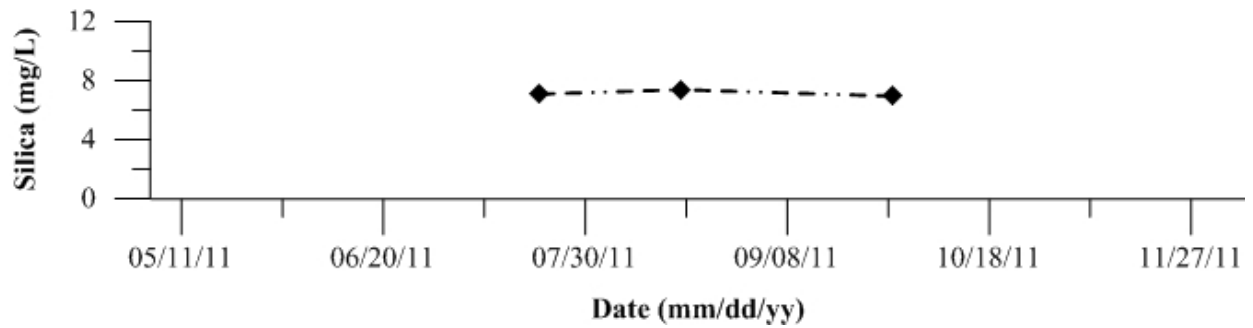


Figure 933: Dissolved Silica as SiO₂-Si for Site 10 SJR at Lander Avenue. Data collected in 2011.

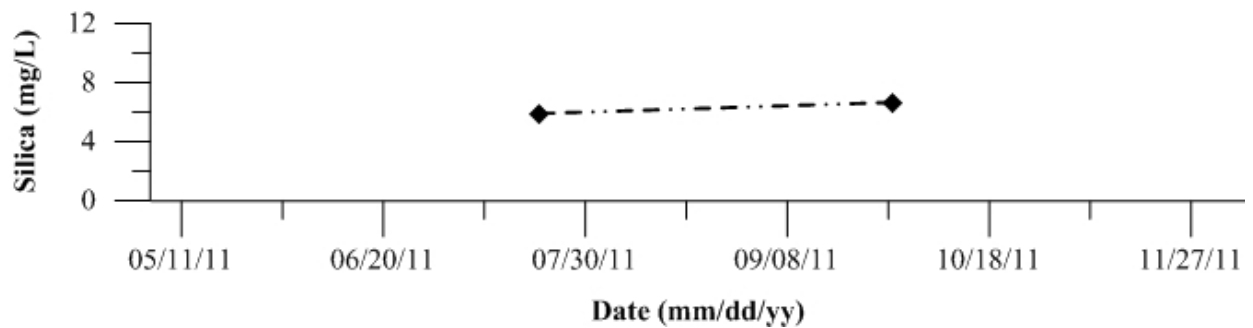


Figure 934: Dissolved Silica as SiO₂-Si for Site 11 French Camp Slough. Data collected in 2011.

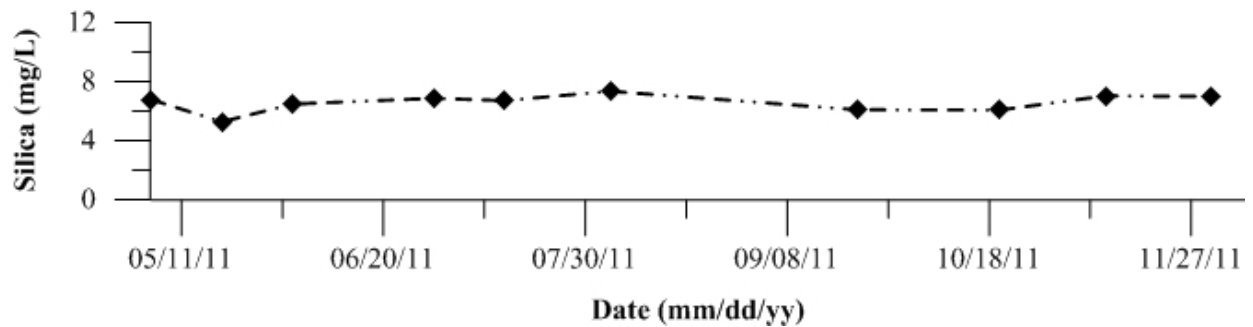


Figure 935: Dissolved Silica as SiO₂-Si for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

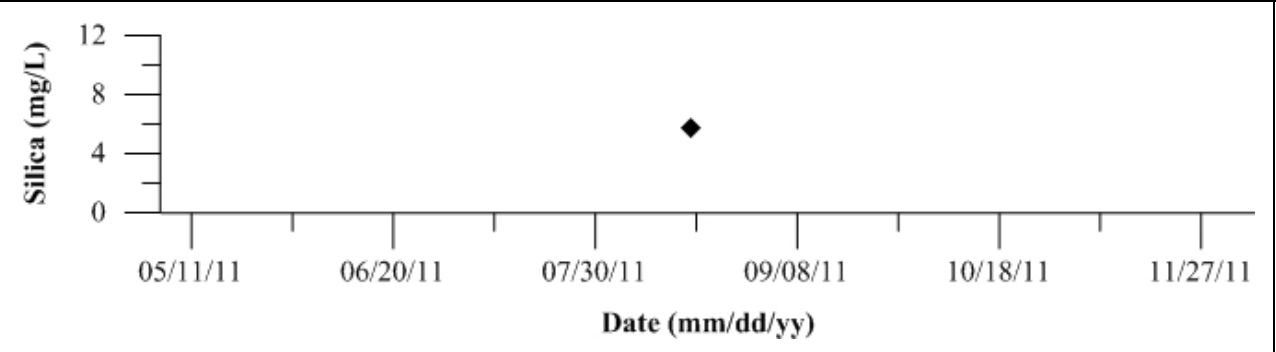


Figure 936: Dissolved Silica as SiO₂-Si for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

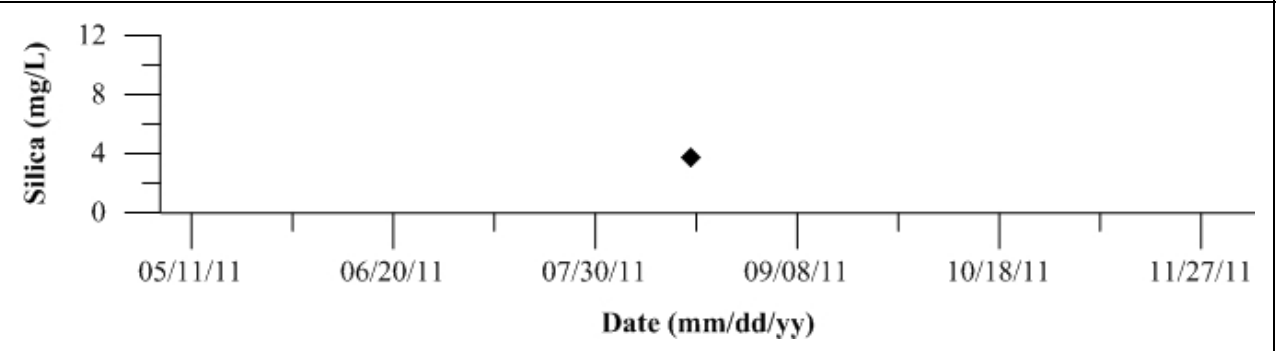


Figure 937: Dissolved Silica as SiO₂-Si for Site 16 Merced River at River Road. Data collected in 2011.

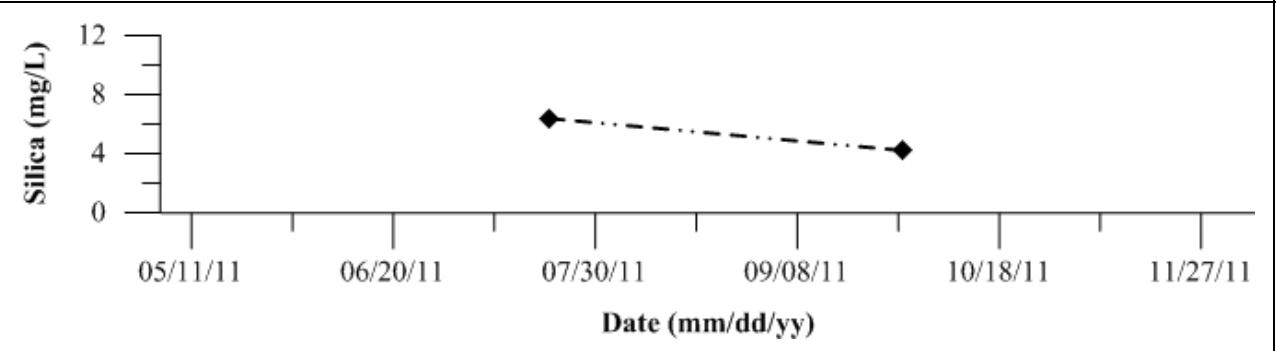


Figure 938: Dissolved Silica as SiO₂-Si for Site 18 Mud Slough near Gustine. Data collected in 2011.

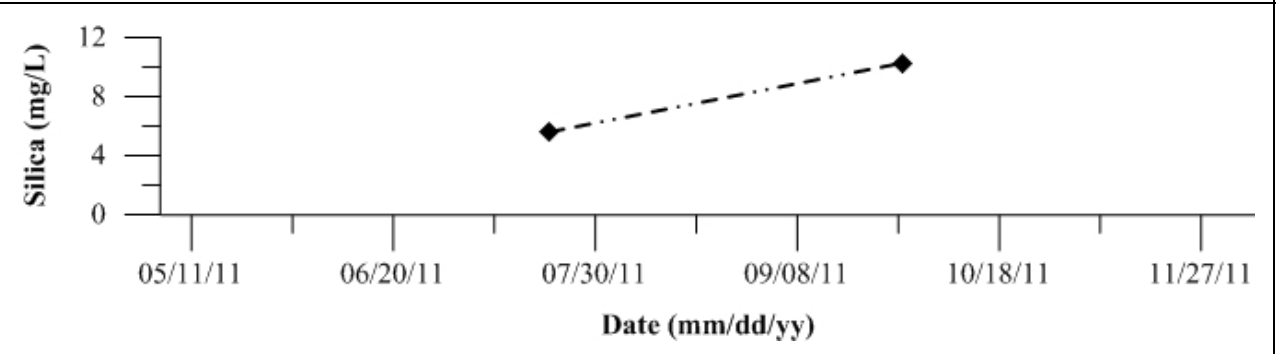


Figure 939: Dissolved Silica as SiO₂-Si for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

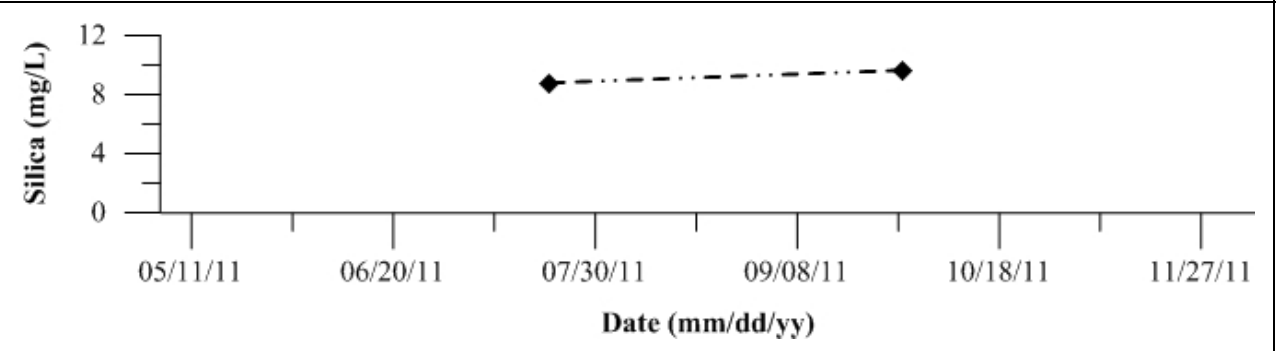


Figure 940: Dissolved Silica as SiO₂-Si for Site 21 Orestimba Creek at River Road. Data collected in 2011.

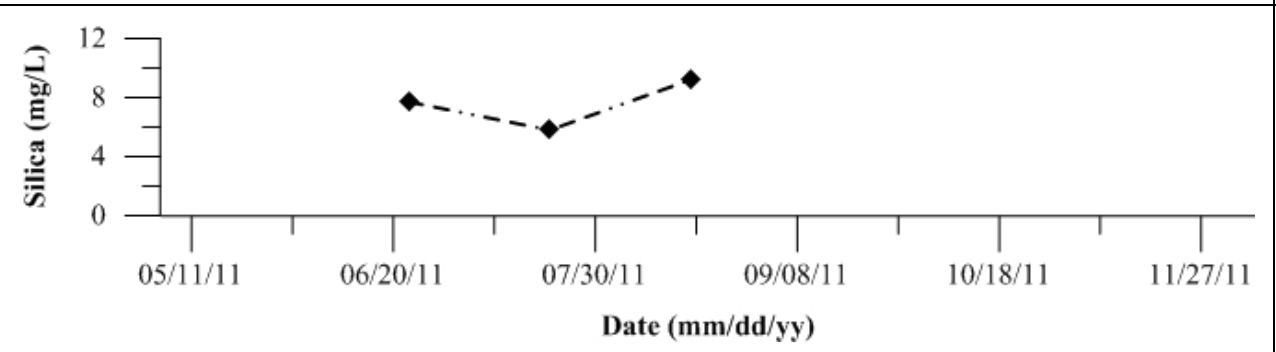


Figure 941: Dissolved Silica as SiO₂-Si for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

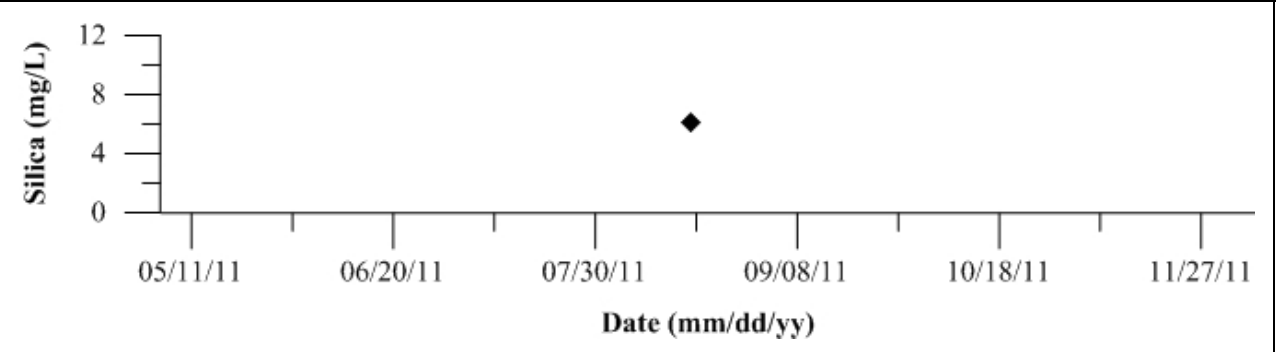


Figure 942: Dissolved Silica as SiO₂-Si for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

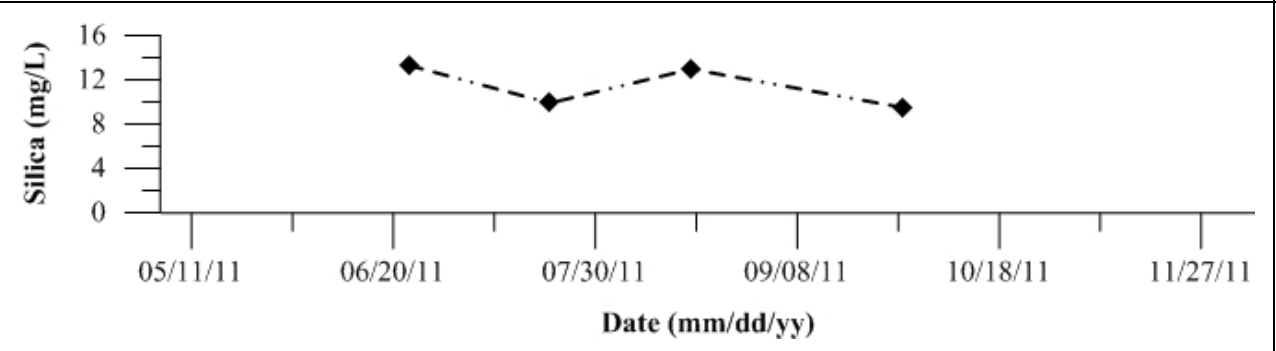


Figure 943: Dissolved Silica as SiO₂-Si for Site 34 Ingram Creek. Data collected in 2011.

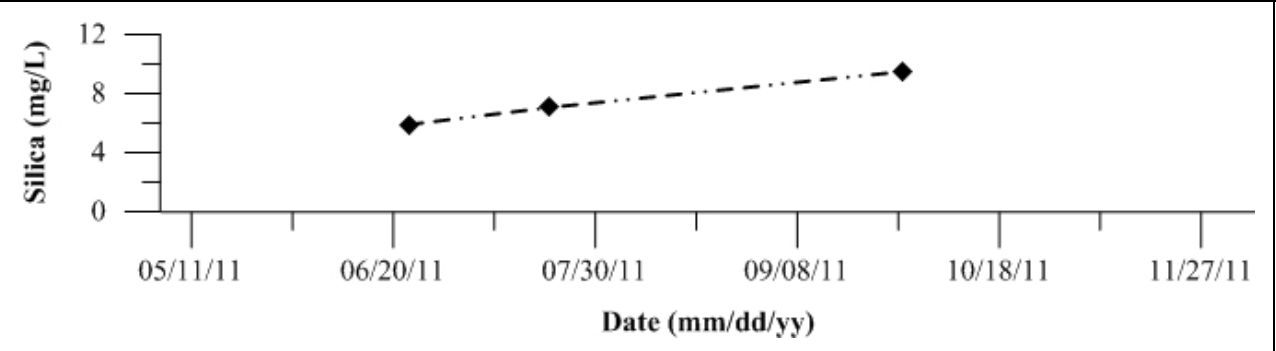


Figure 944: Dissolved Silica as SiO₂-Si for Site 36 Del Puerto Creek. Data collected in 2011.

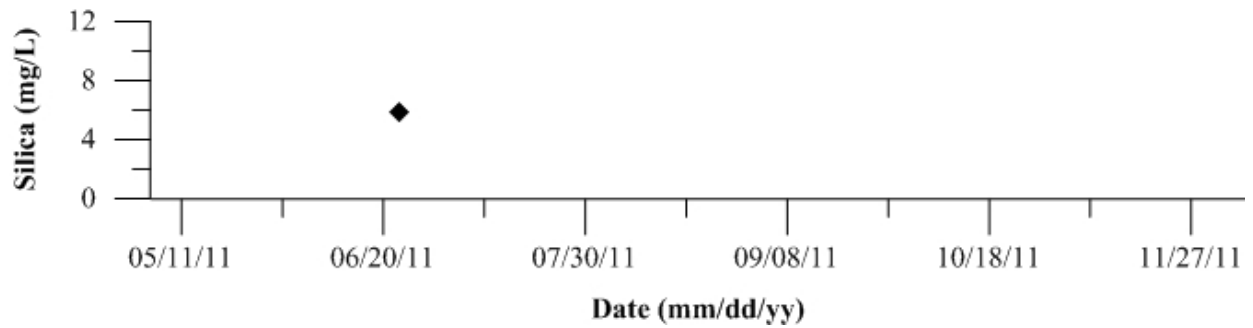


Figure 945: Dissolved Silica as SiO₂-Si for Site 44 San Luis Drain End. Data collected in 2011.

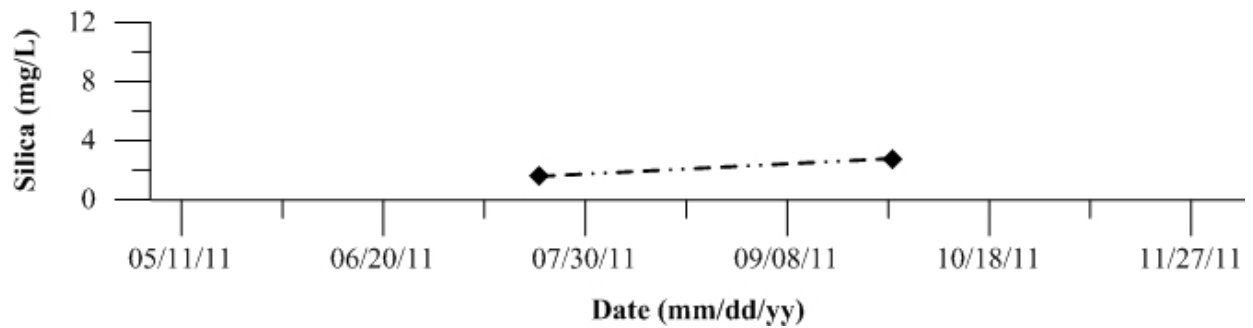


Figure 946: Dissolved Silica as SiO₂-Si for Site 57 Ramona Lake. Data collected in 2011.

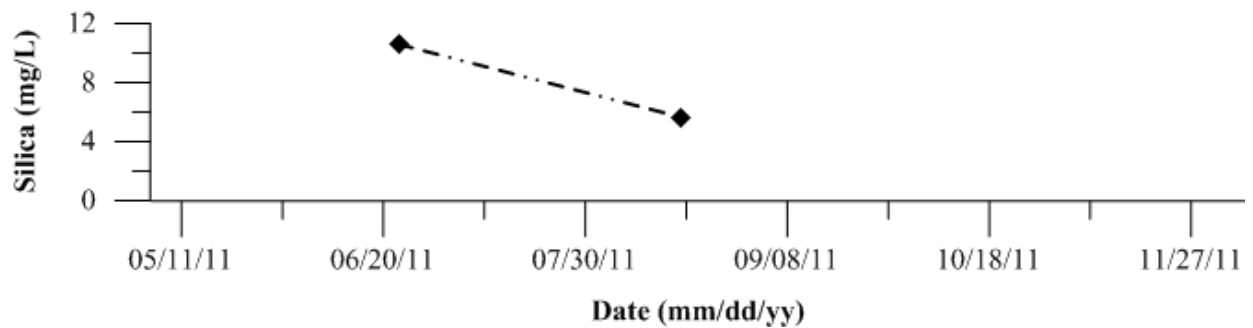


Figure 947: Dissolved Silica as SiO₂-Si for Site 127 SJR at Brant Bridge. Data collected in 2011.

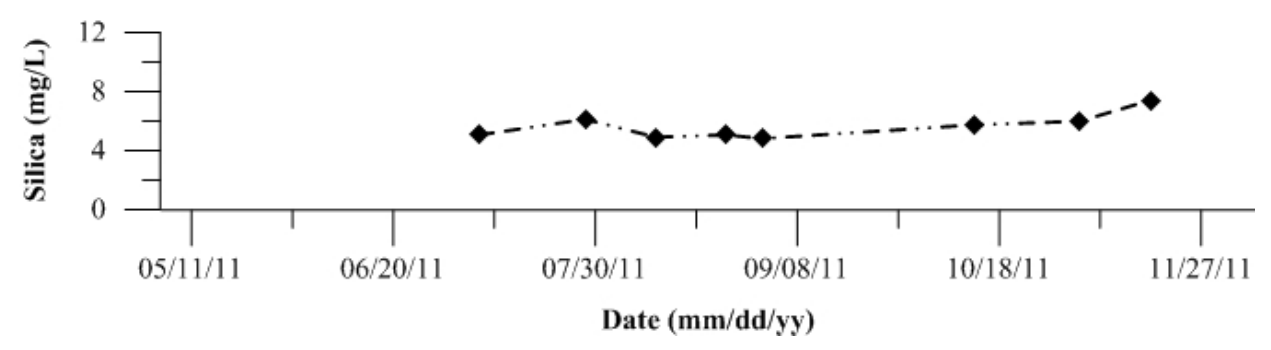


Figure 948: Dissolved Silica as SiO₂-Si for Site 402 Light 18 (Node 96). Data collected in 2011.

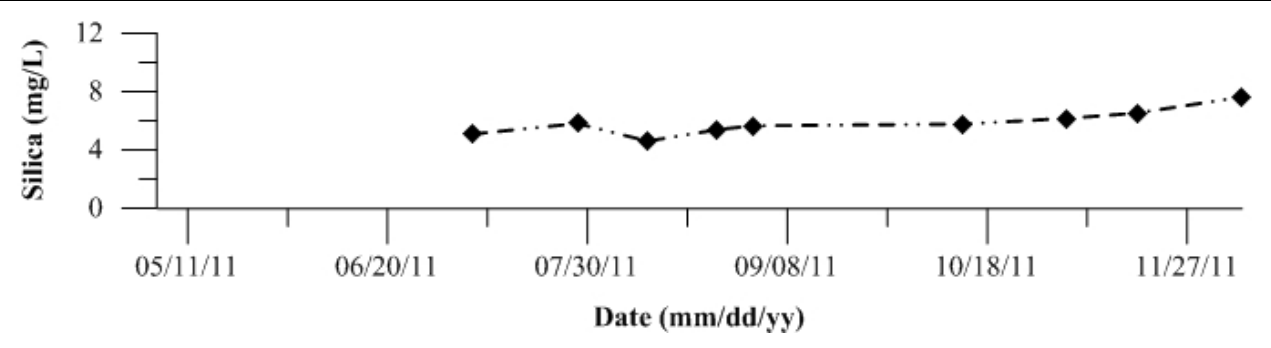


Figure 949: Dissolved Silica as SiO₂-Si for Site 405 Calaveras River. Data collected in 2011.

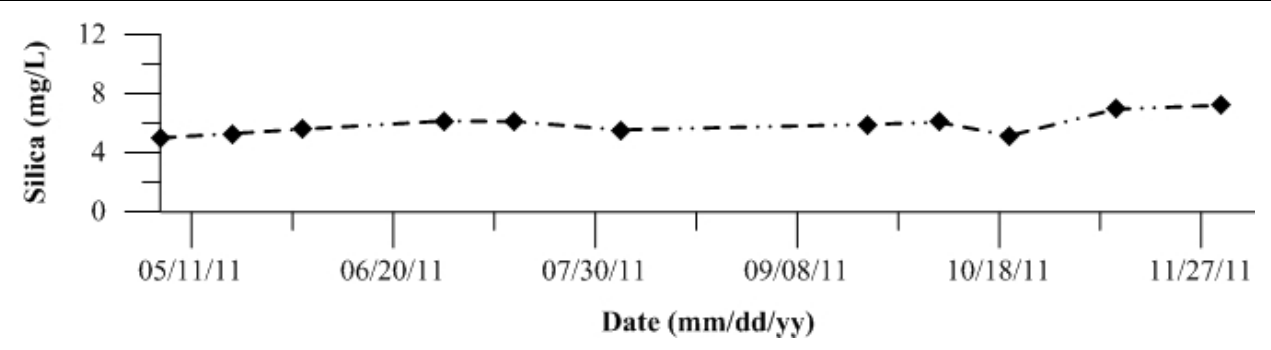


Figure 950: Dissolved Silica as SiO₂-Si for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

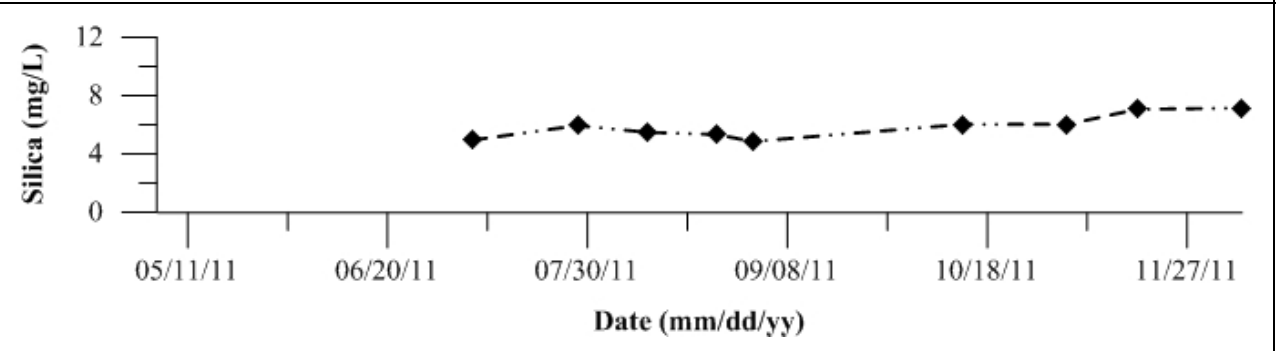


Figure 951: Dissolved Silica as SiO₂-Si for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

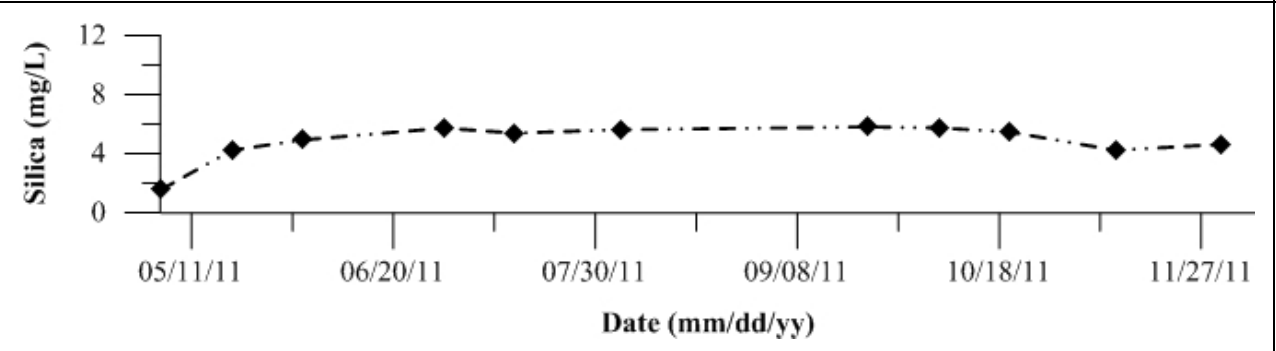


Figure 952: Dissolved Silica as SiO₂-Si for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

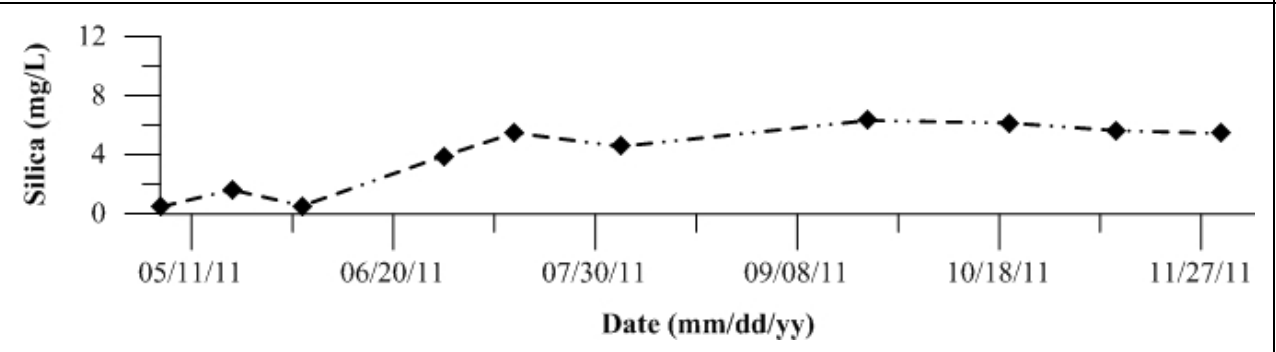


Figure 953: Dissolved Silica as SiO₂-Si for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

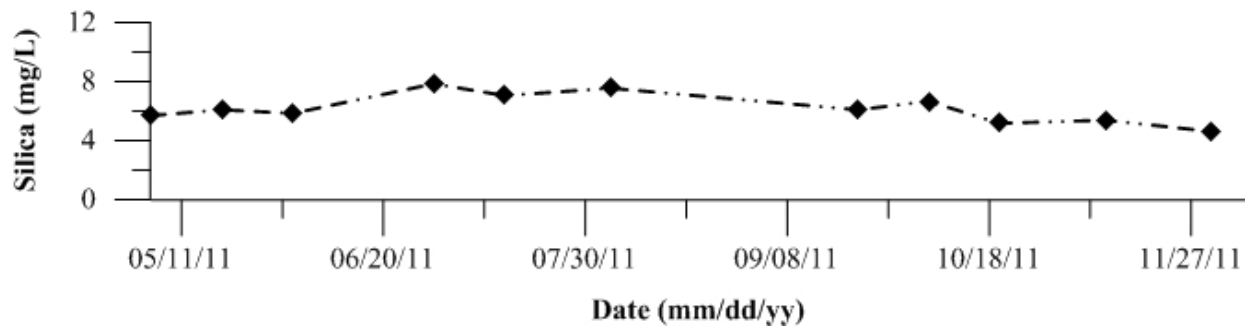


Figure 954: Dissolved Silica as SiO₂-Si for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

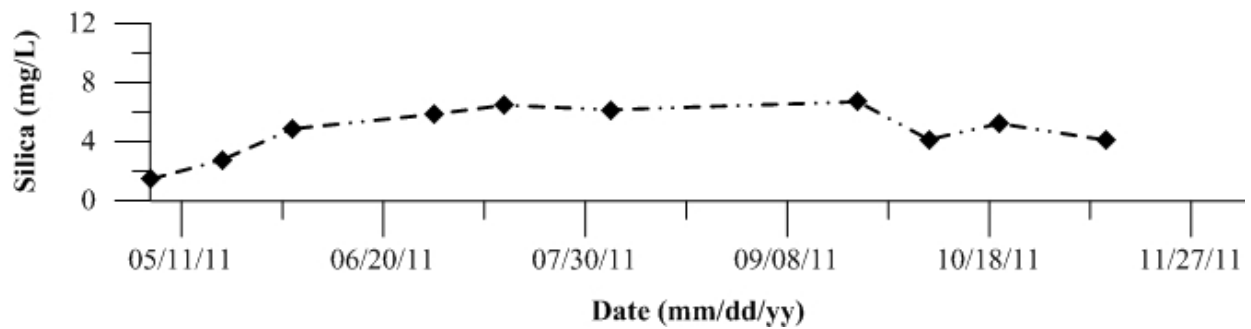


Figure 955: Dissolved Silica as SiO₂-Si for Site 424 14mi Slough. Data collected in 2011.

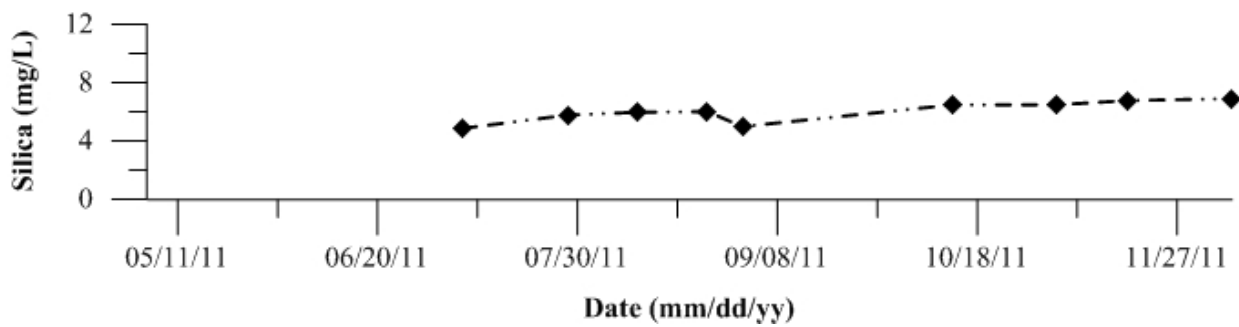


Figure 956: Dissolved Silica as SiO₂-Si for Site 425 Turner Cut. Data collected in 2011. Data collected in 2011.

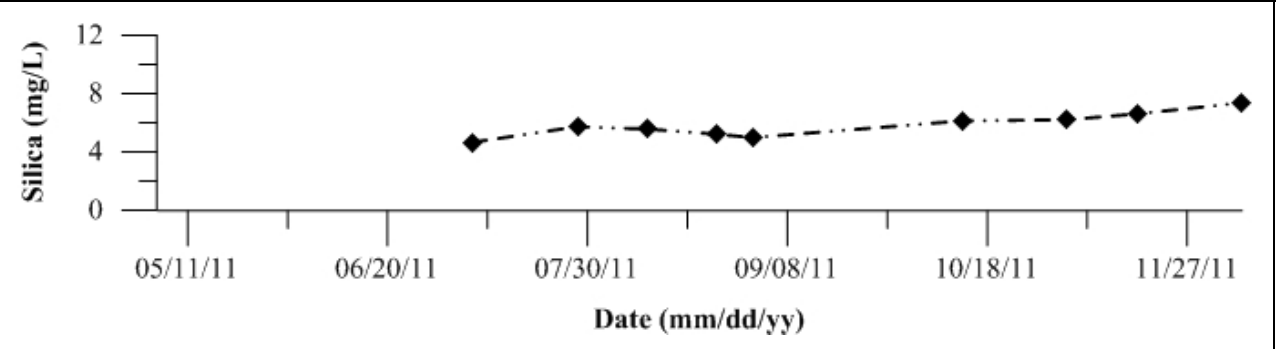


Figure 957: Dissolved Silica as SiO₂-Si for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

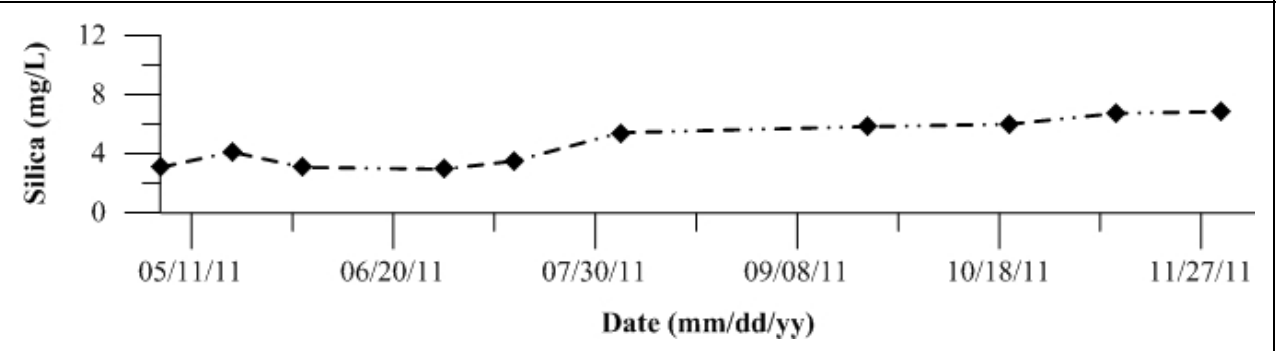


Figure 958: Dissolved Silica as SiO₂-Si for Site 427 RM 39 Near Louis Park. Data collected in 2011.

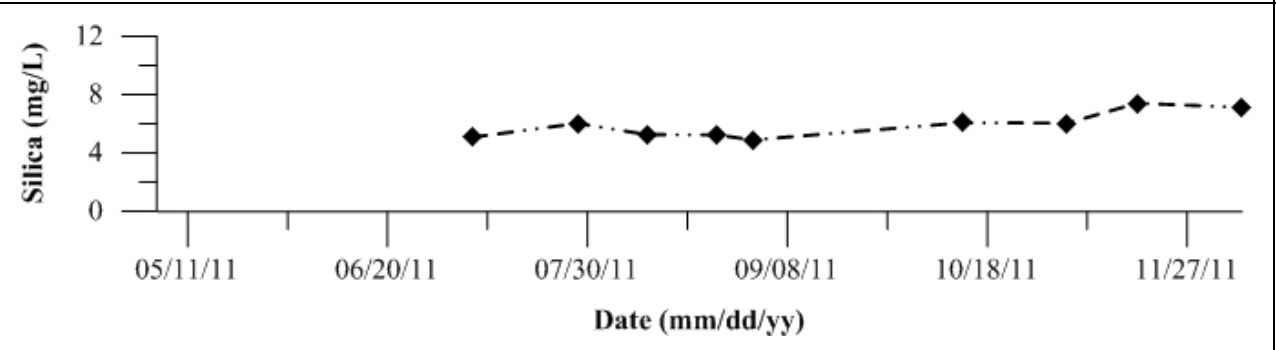


Figure 959: Dissolved Silica as SiO₂-Si for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

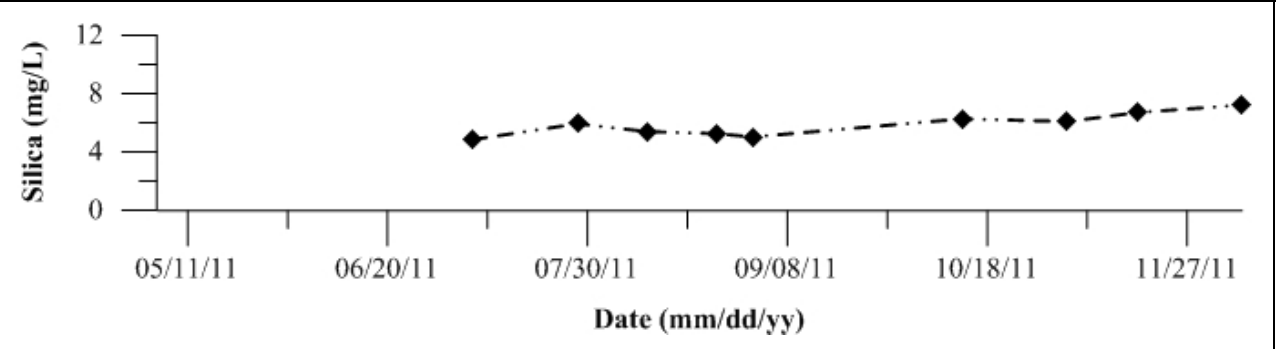
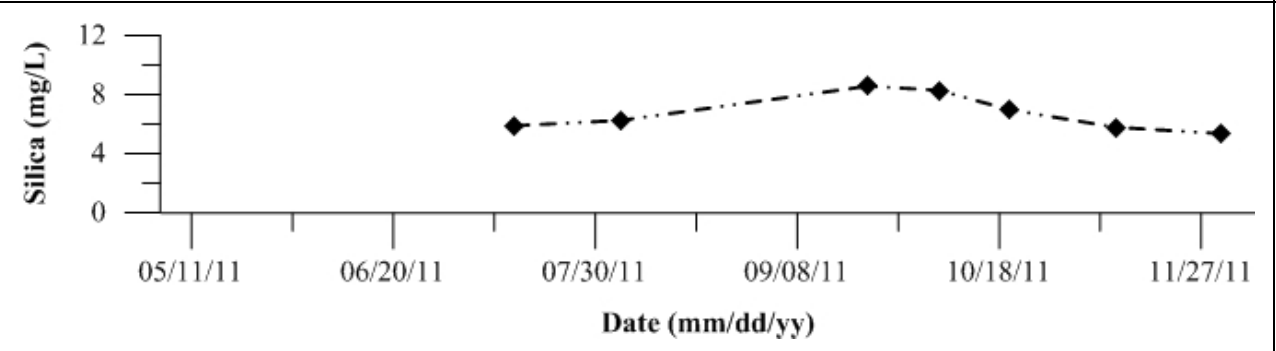


Figure 960: Dissolved Silica as SiO₂-Si for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 961-992: Temporal plots of Specific Ultraviolet Absorbance (SUVA) by Site ID

Figure 961: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 2 SJR at Dos Reis Park. Data collected in 2011.

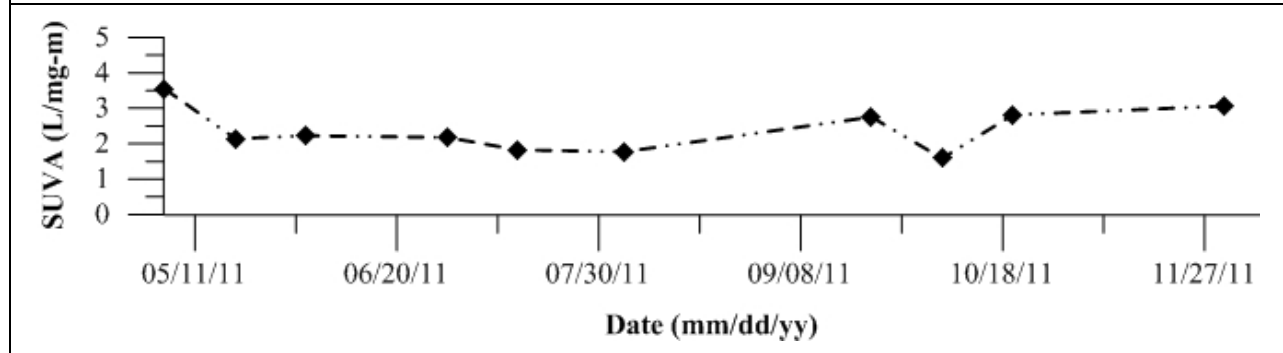


Figure 962: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 4 SJR at Mossdale. Data collected in 2011.

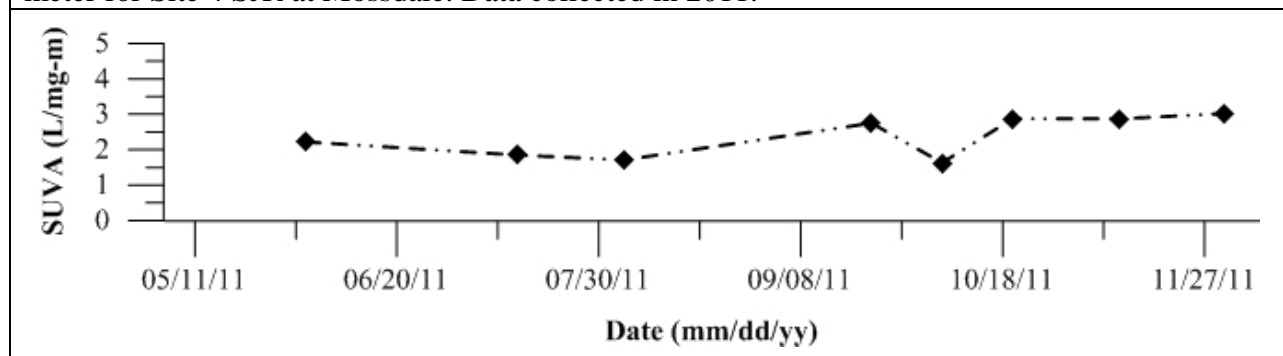


Figure 963: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 5 SJR at McCune Station. Data collected in 2011.

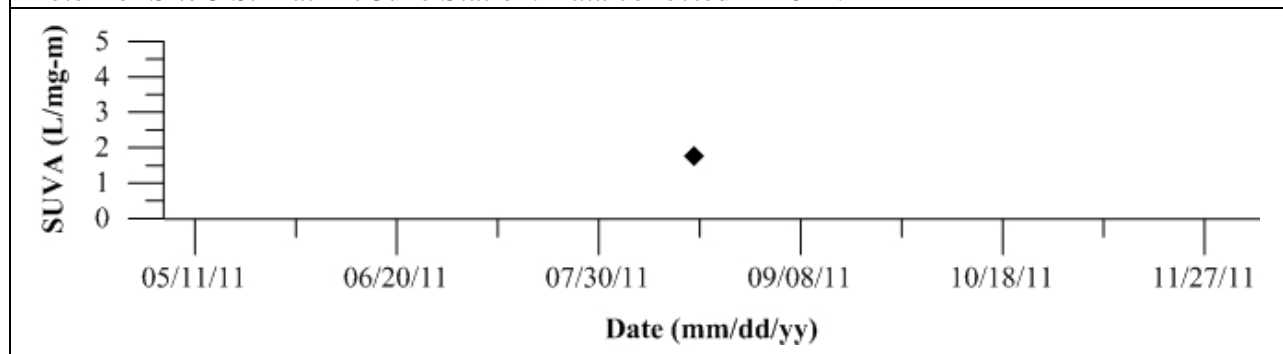


Figure 964: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 7 SJR at Patterson. Data collected in 2011.

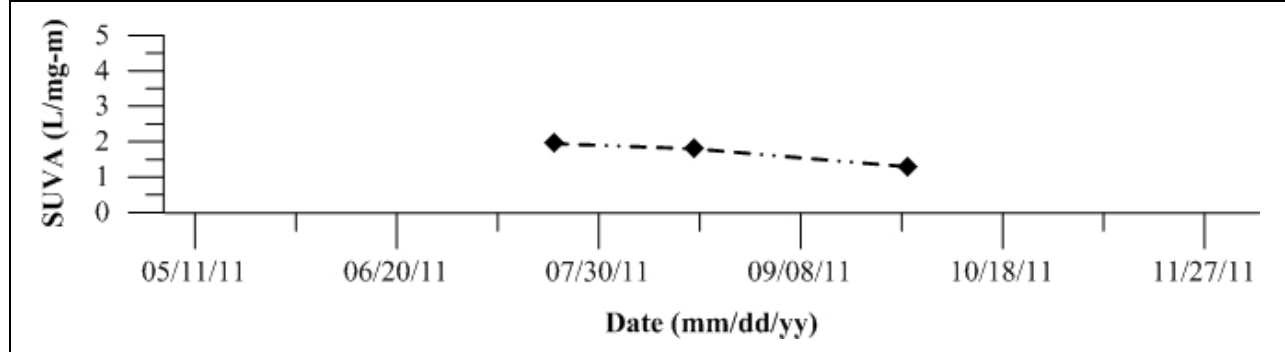


Figure 965: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 10 SJR at Lander Avenue. Data collected in 2011.

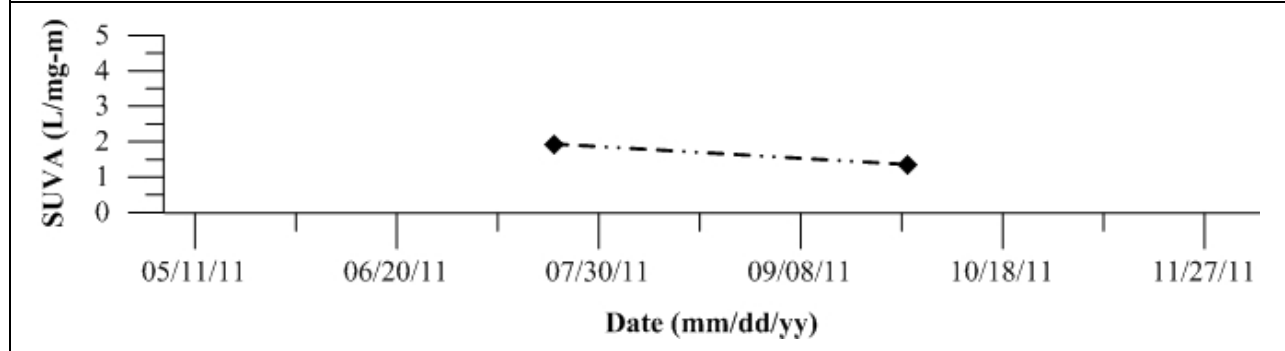


Figure 966: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 11 French Camp Slough. Data collected in 2011.

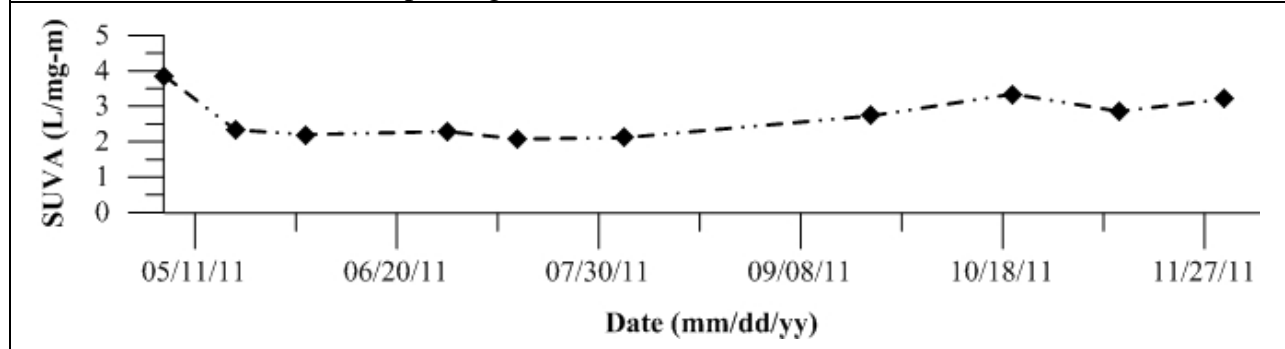


Figure 967: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

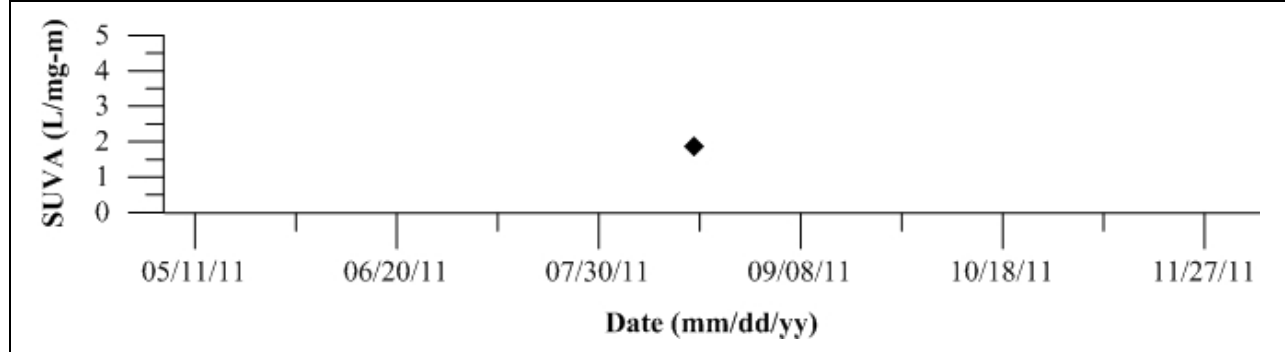


Figure 968: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

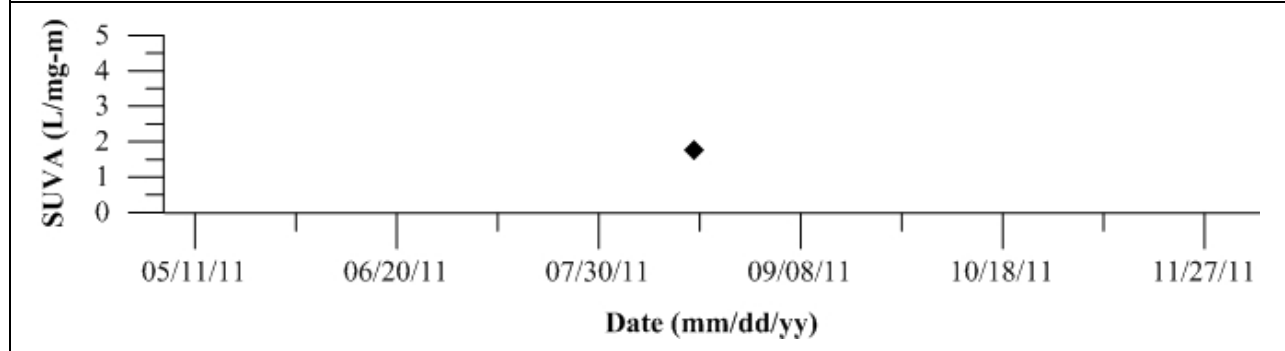


Figure 969: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 16 Merced River at River Road. Data collected in 2011.

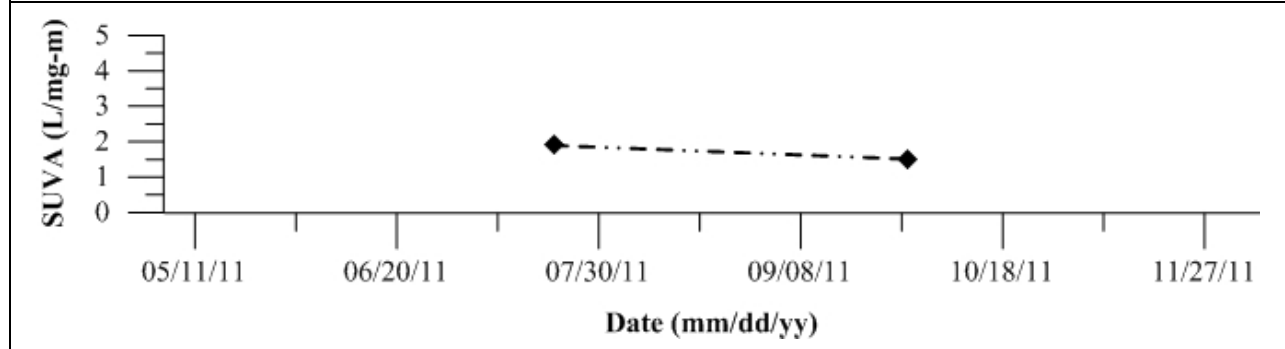


Figure 970: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 18 Mud Slough near Gustine. Data collected in 2011.

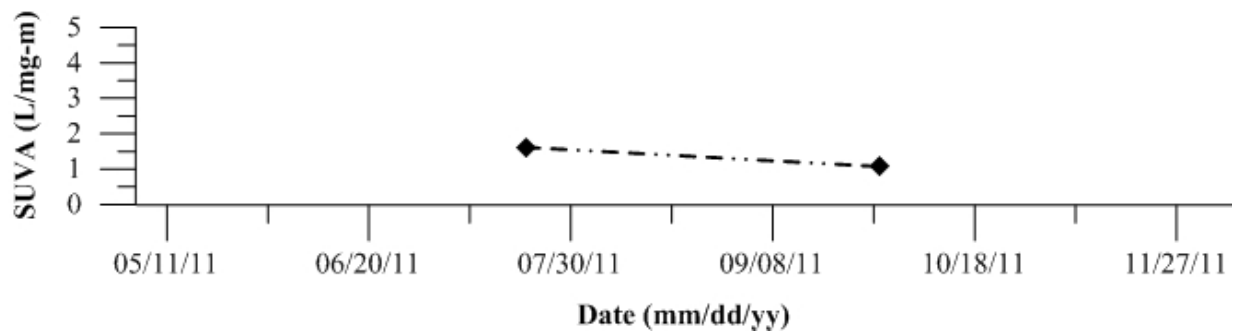


Figure 971: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

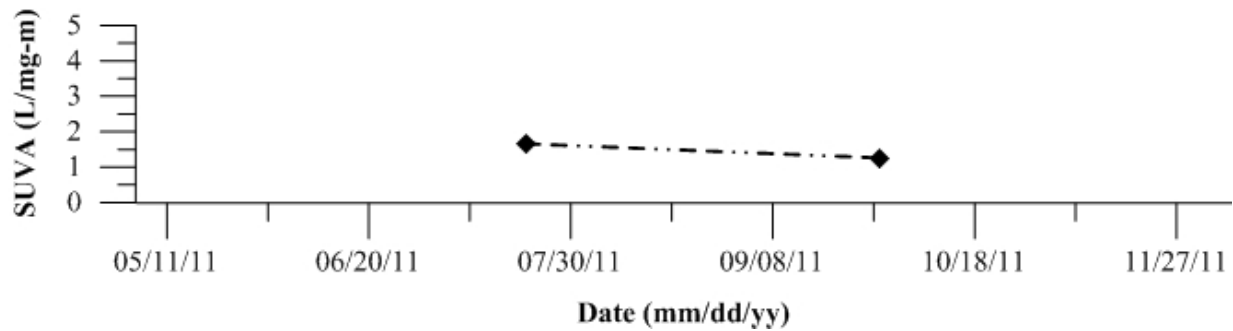


Figure 972: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 21 Orestimba Creek at River Road. Data collected in 2011.

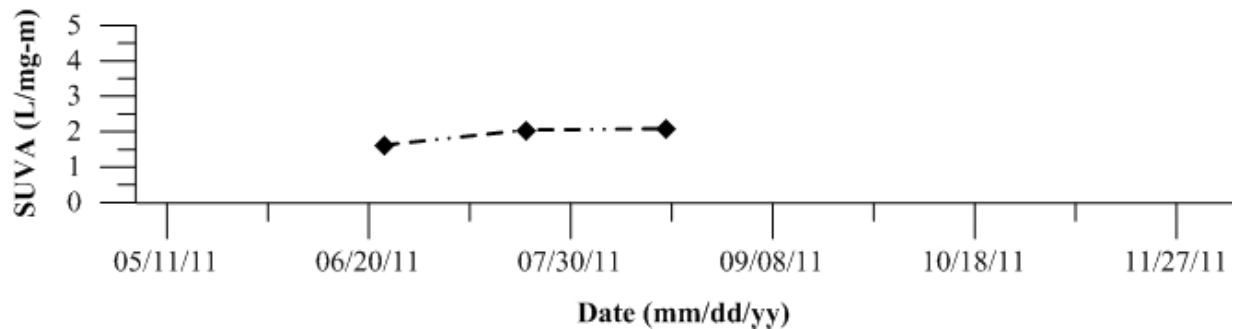


Figure 973: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

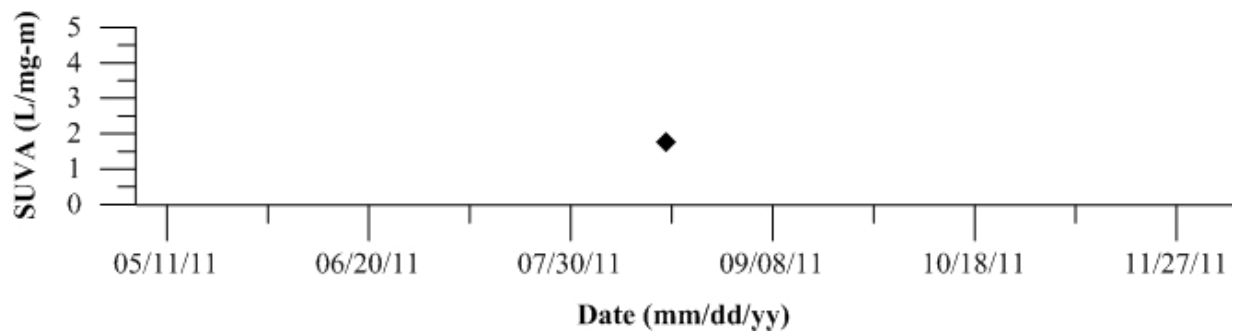


Figure 974: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

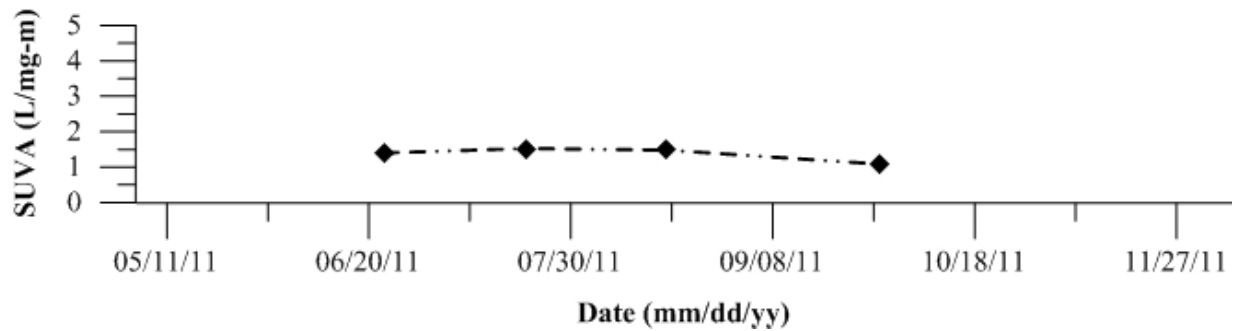


Figure 975: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 34 Ingram Creek. Data collected in 2011.

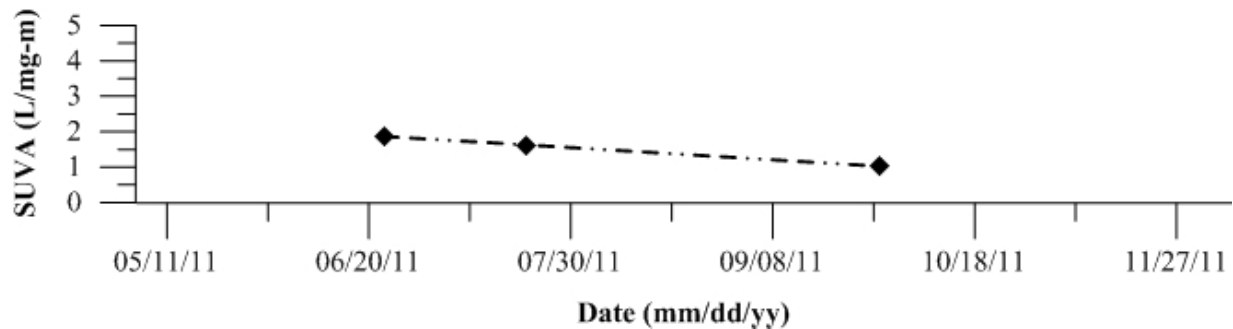


Figure 976: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 36 Del Puerto Creek. Data collected in 2011.

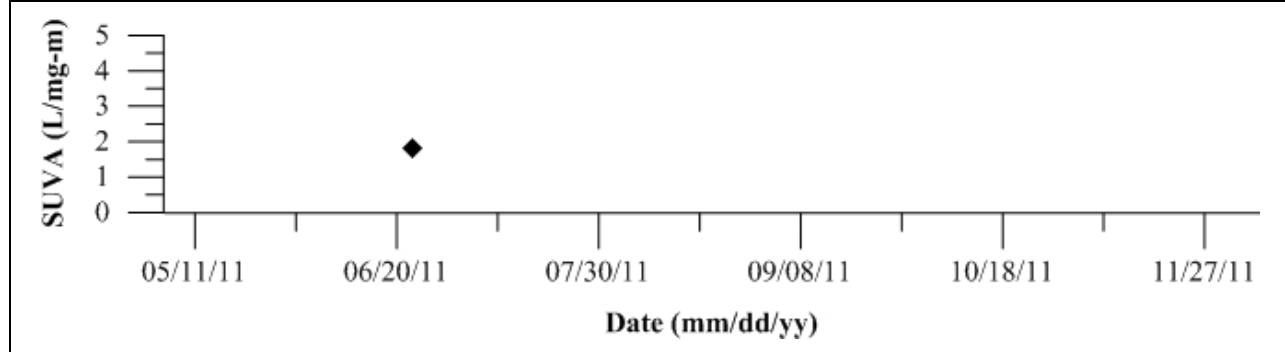


Figure 977: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 44 San Luis Drain End. Data collected in 2011.

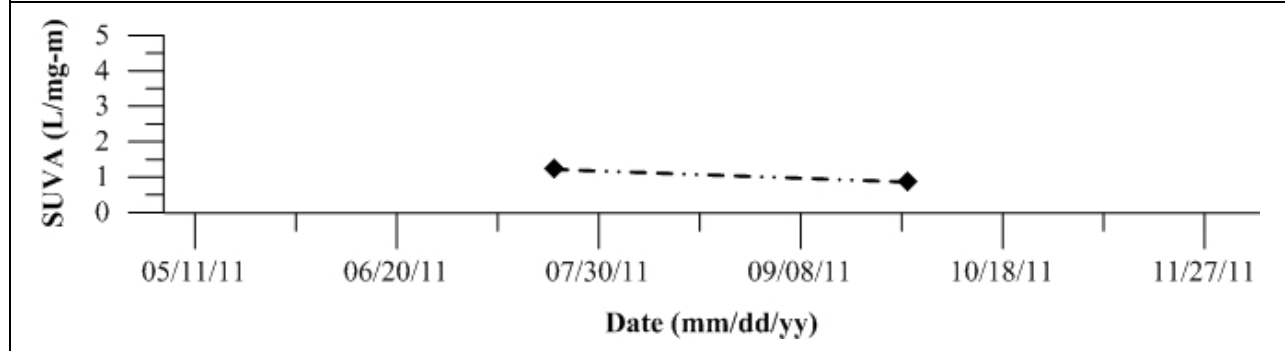


Figure 978: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 57 Ramona Lake. Data collected in 2011.

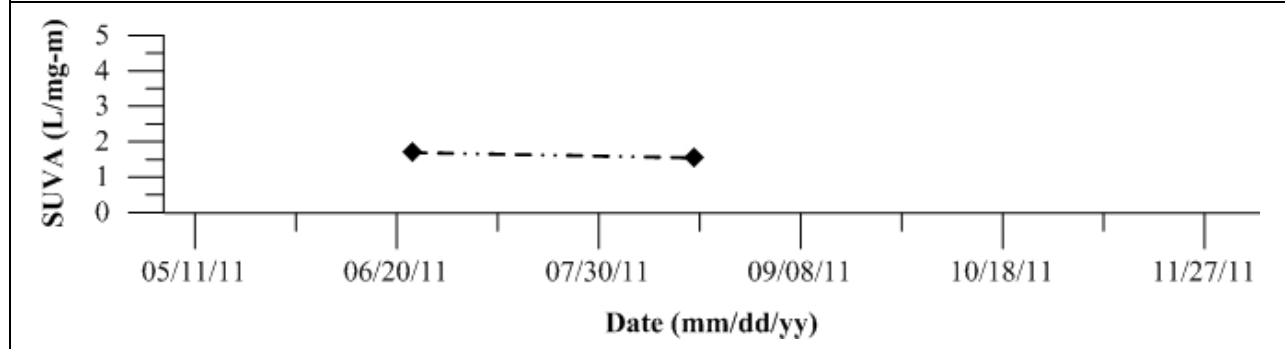


Figure 979: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 127 SJR at Brant Bridge. Data collected in 2011.

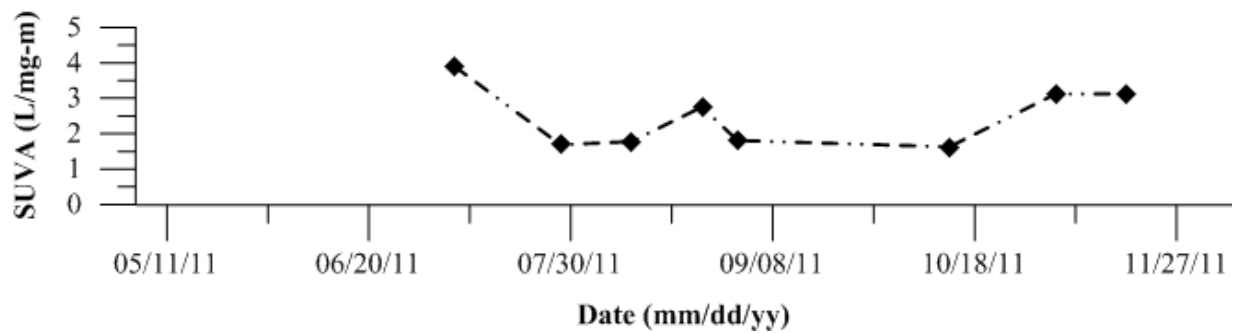


Figure 980: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 402 Light 18 (Node 96). Data collected in 2011.

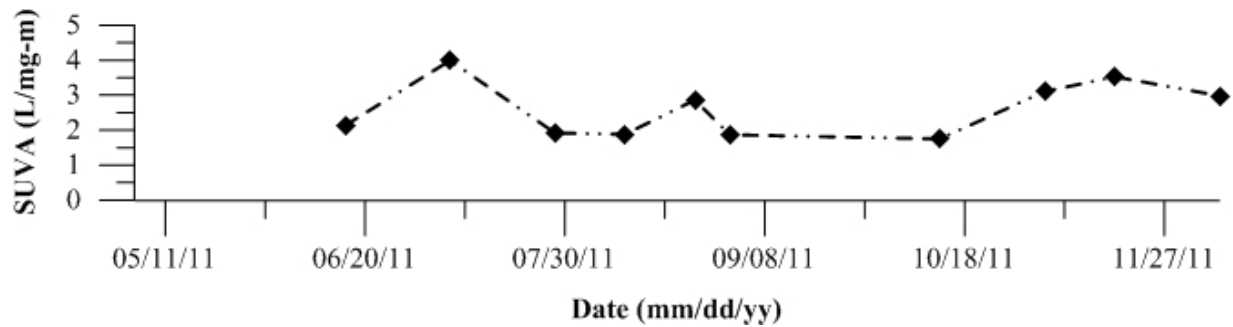


Figure 981: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 405 Calaveras River. Data collected in 2011.

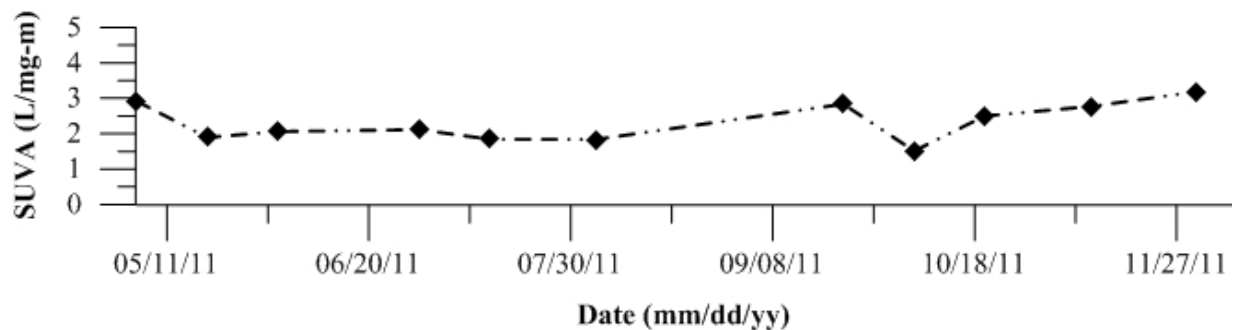


Figure 982: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

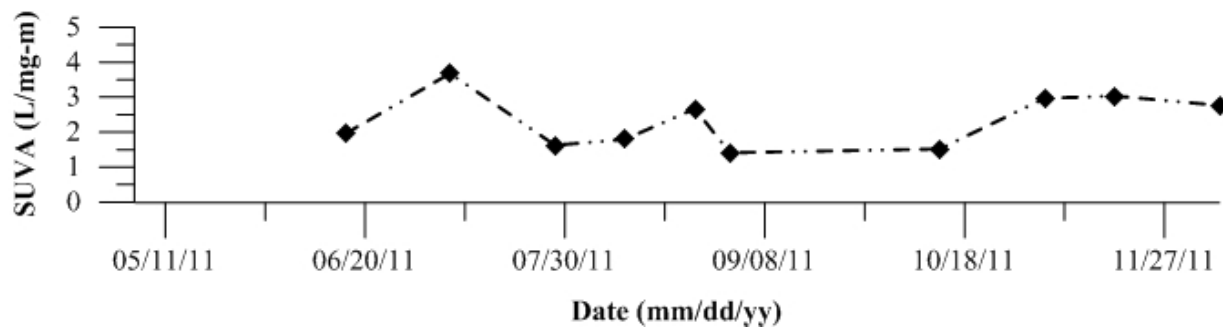


Figure 983: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

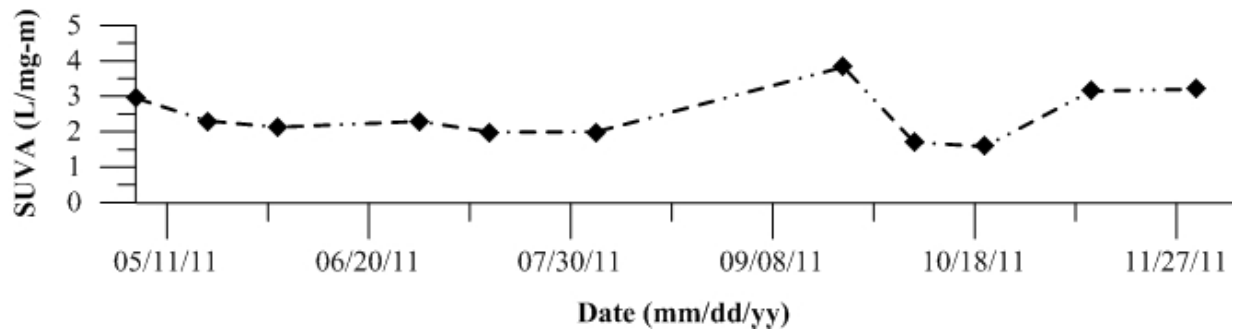


Figure 984: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

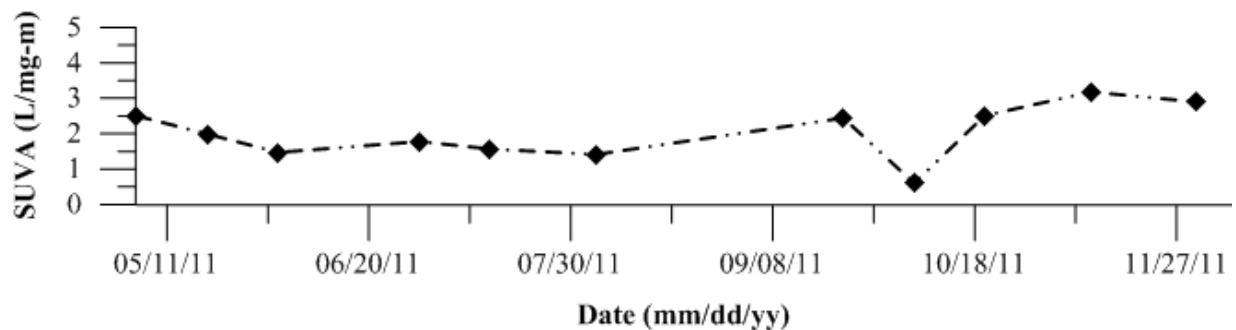


Figure 985: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

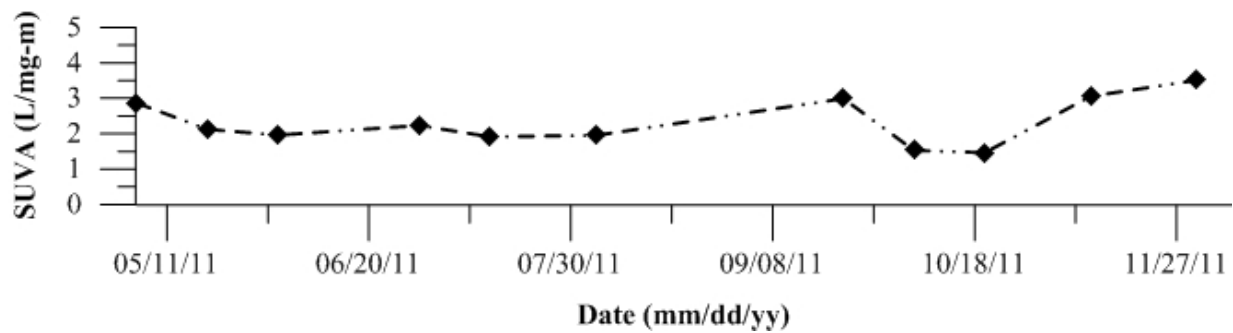


Figure 986: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

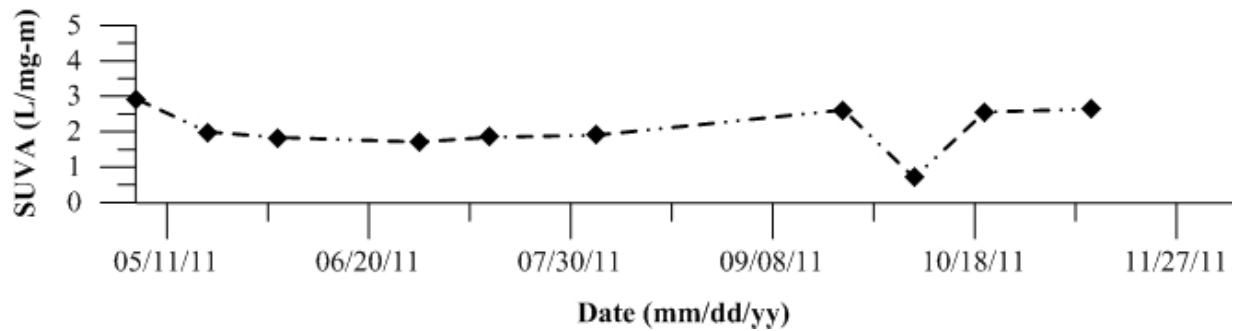


Figure 987: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 424 14mi Slough. Data collected in 2011.

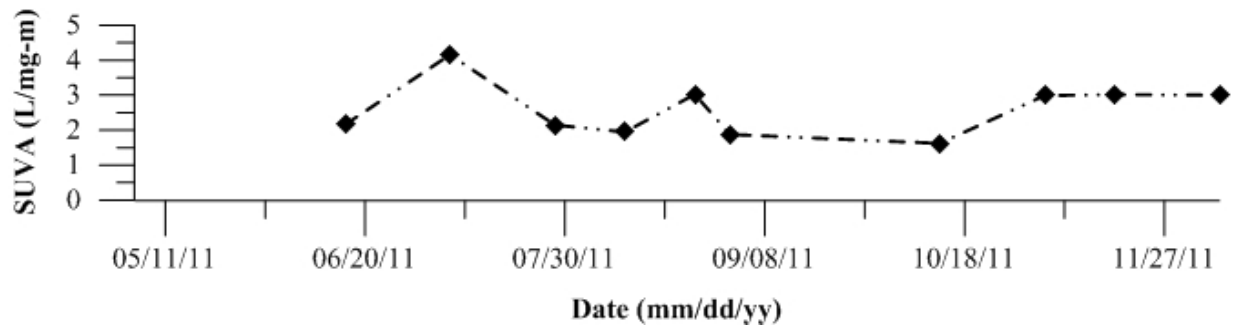


Figure 988: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 425 Turner Cut. Data collected in 2011.

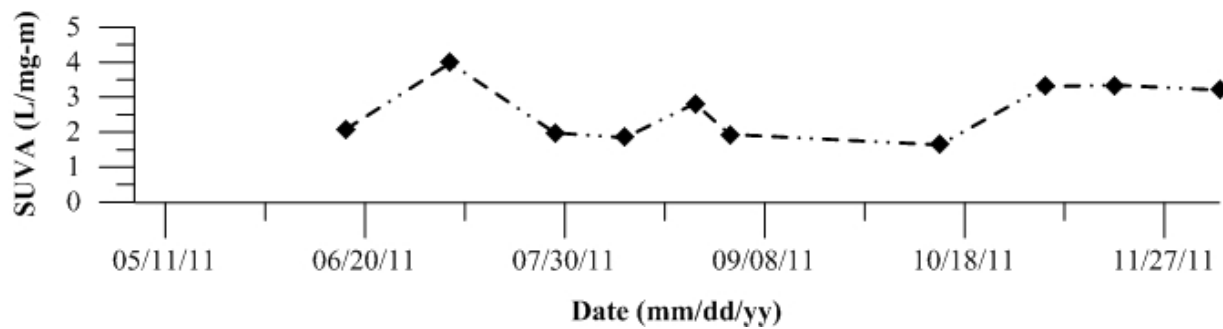


Figure 989: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

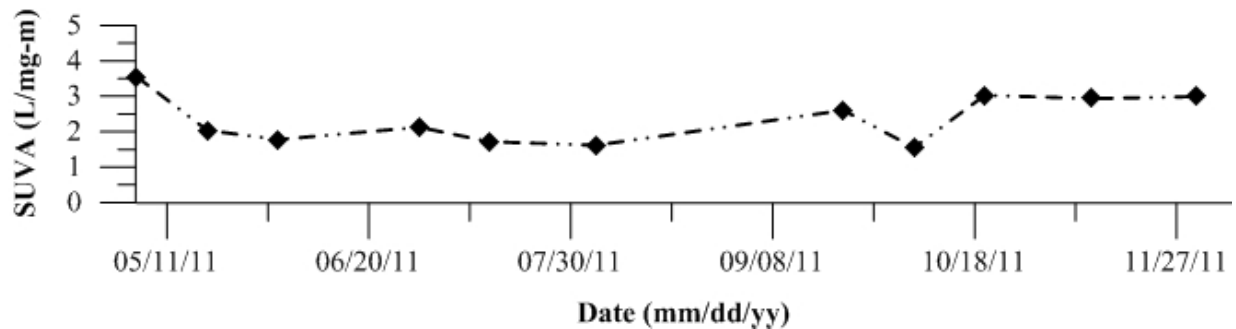


Figure 990: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 427 RM 39 Near Louis Park. Data collected in 2011.

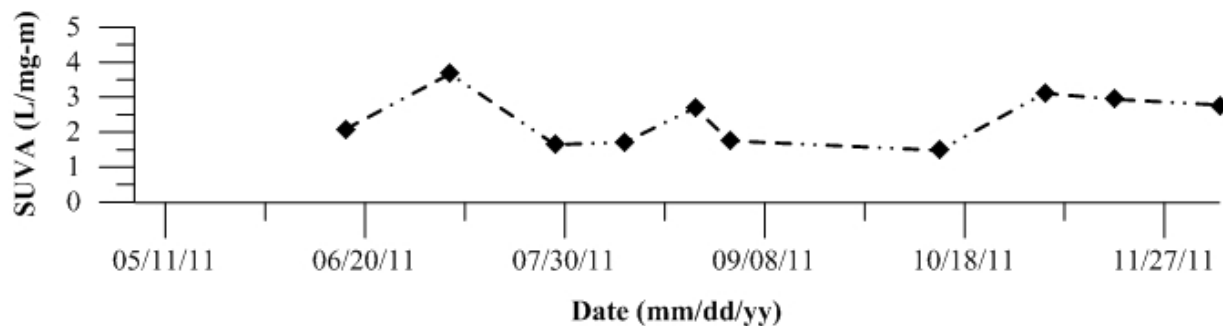


Figure 991: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

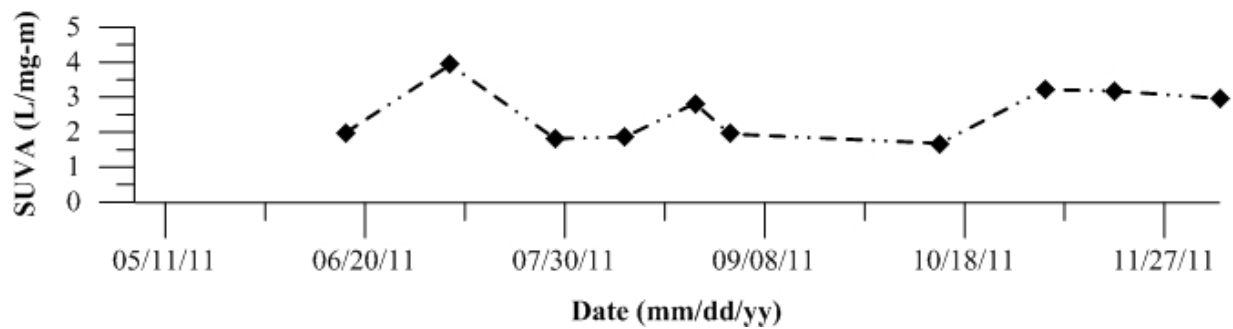
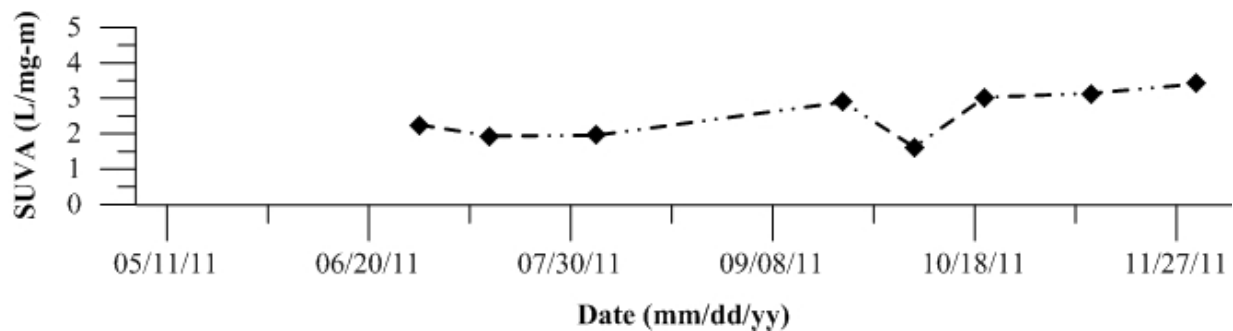


Figure 992: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 433 Paradise Marina (Node 70). Data collected in 2011.



Figures 993-1024: Temporal plots of chloride by Site ID

Figure 993: Chloride for Site 2 SJR at Dos Reis Park. Data collected in 2011.

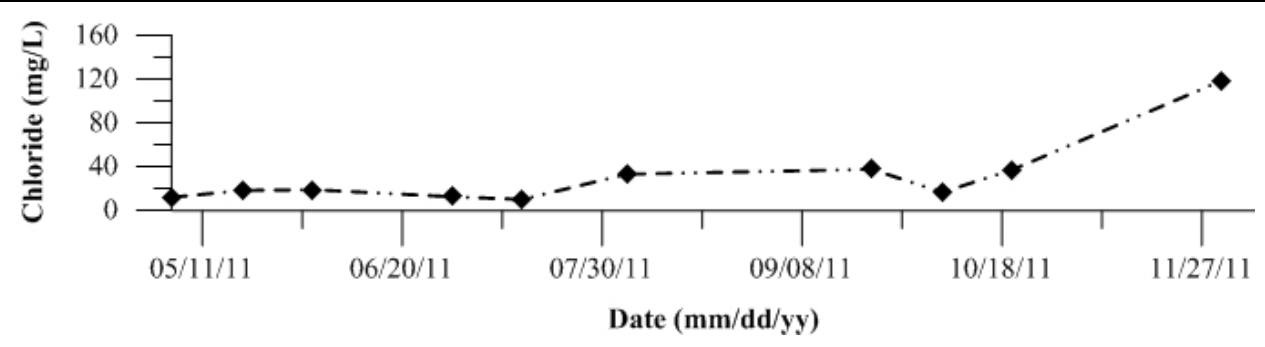


Figure 994: Chloride for Site 4 SJR at Mossdale. Data collected in 2011.

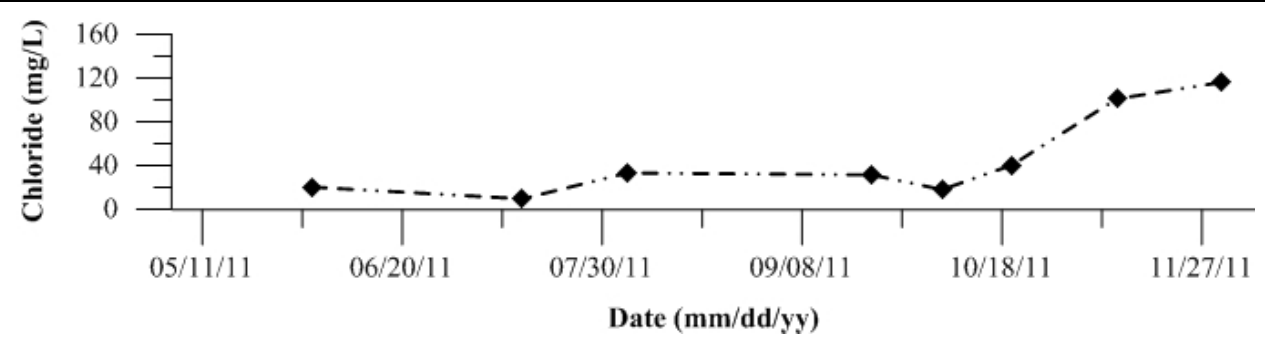


Figure 995: Chloride for Site 5 SJR at McCune Station. Data collected in 2011.

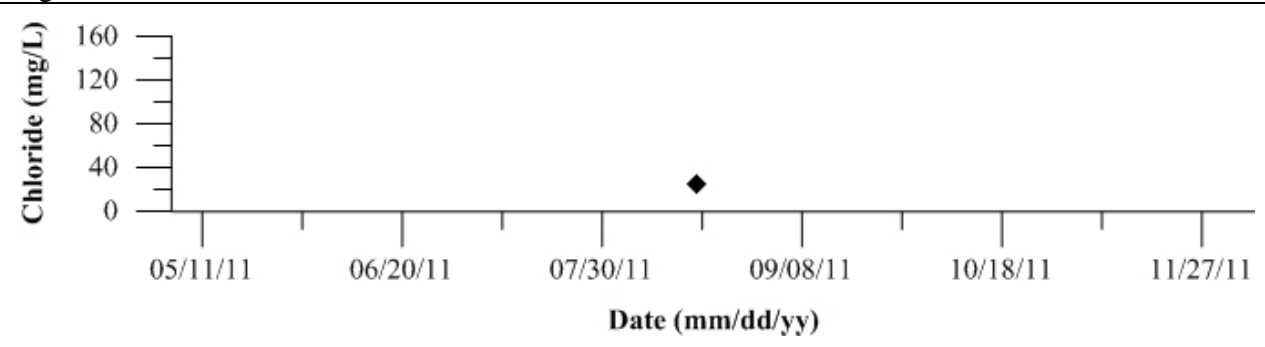


Figure 996: Chloride for Site 7 SJR at Patterson. Data collected in 2011.

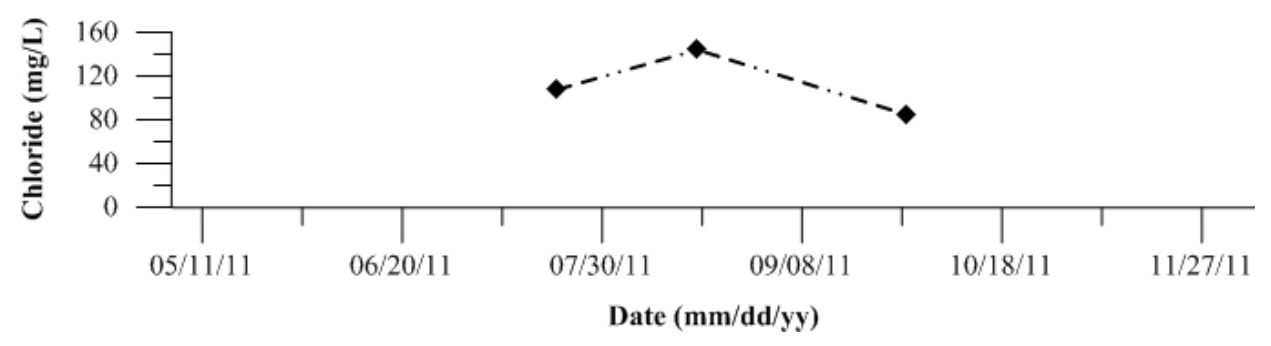


Figure 997: Chloride for Site 10 SJR at Lander Avenue. Data collected in 2011.

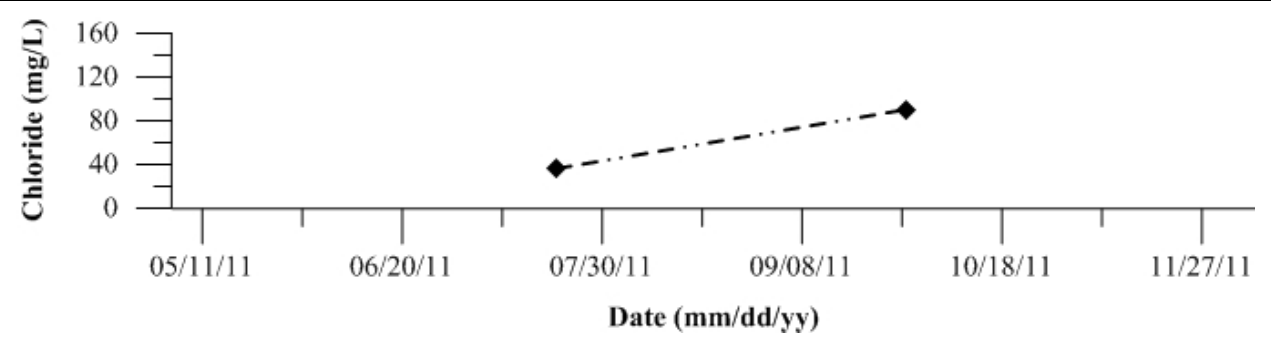


Figure 998: Chloride for Site 11 French Camp Slough. Data collected in 2011.

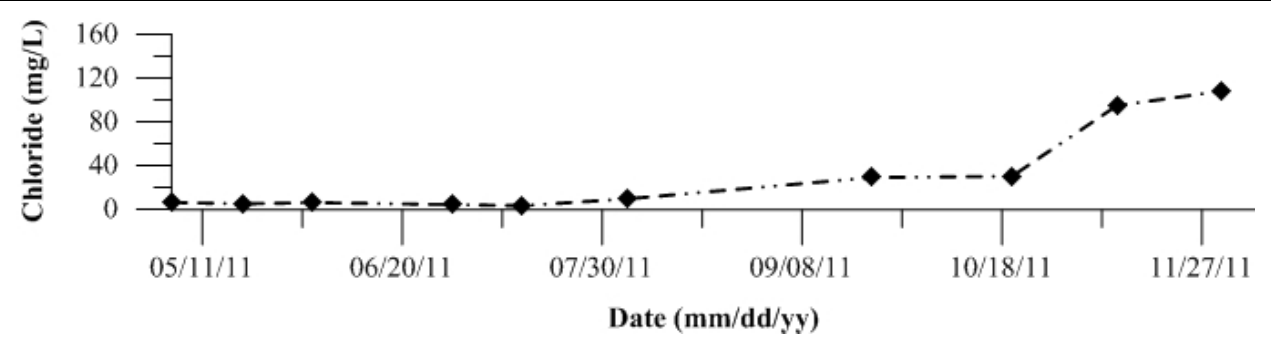


Figure 999: Chloride for Site 12 Stanislaus River at Caswell Park. Data collected in 2011.

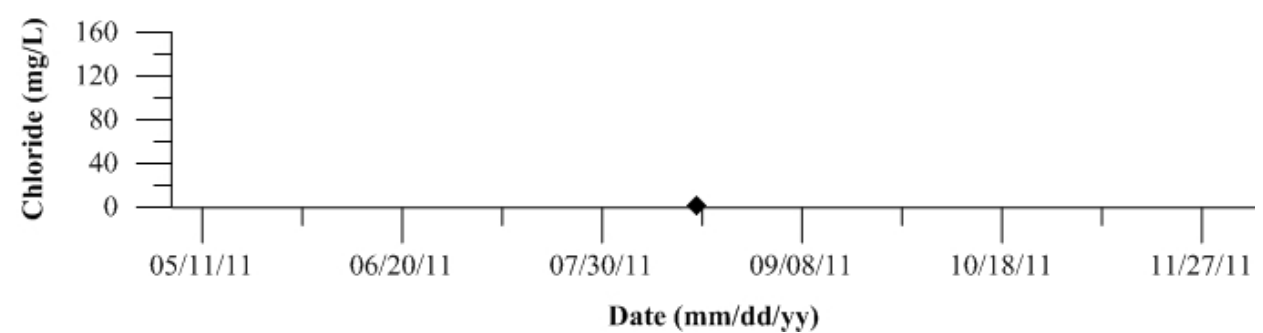


Figure 1000: Chloride for Site 14 Tuolumne River at Shiloh. Data collected in 2011.

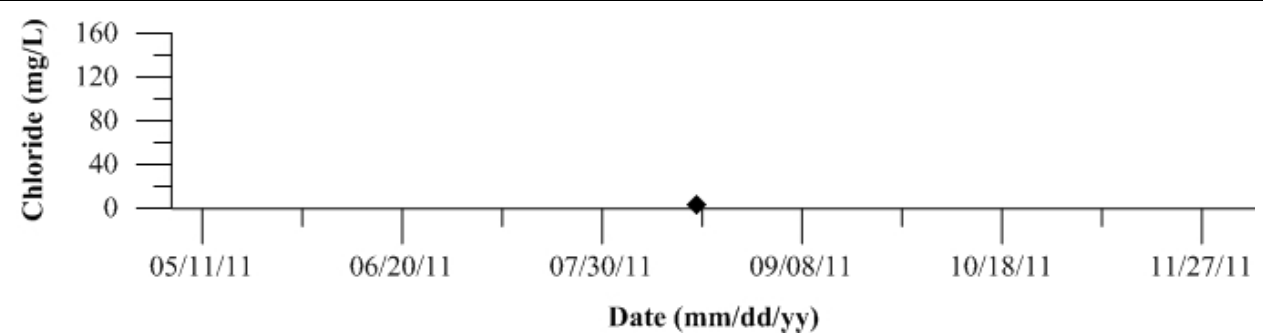


Figure 1001: Chloride for Site 16 Merced River at River Road. Data collected in 2011.

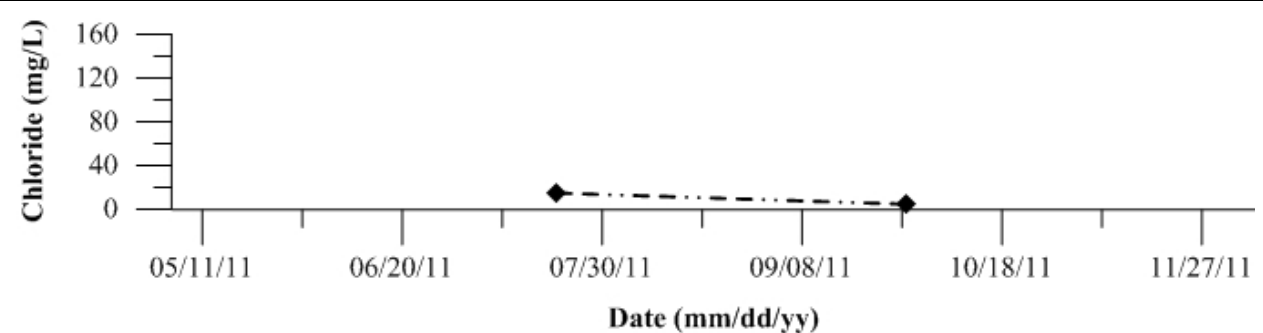


Figure 1002: Chloride for Site 18 Mud Slough near Gustine. Data collected in 2011.

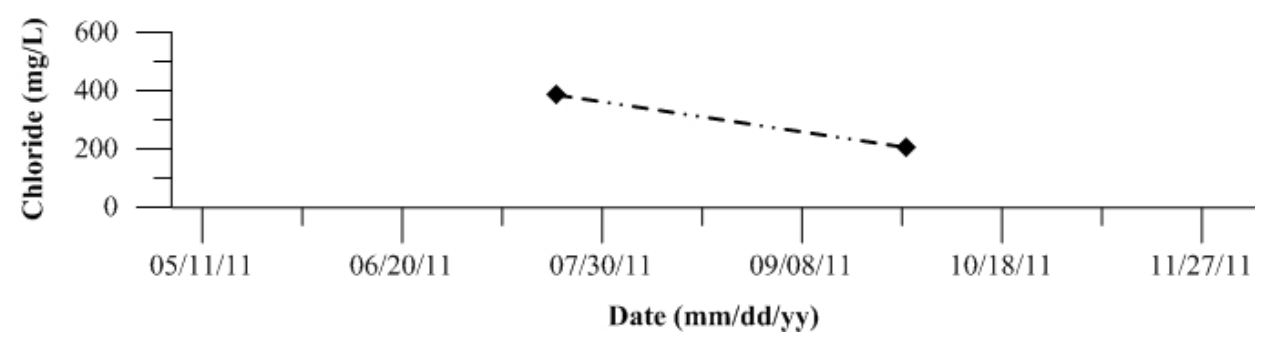


Figure 1003: Chloride for Site 19 Salt Slough at Lander Avenue. Data collected in 2011.

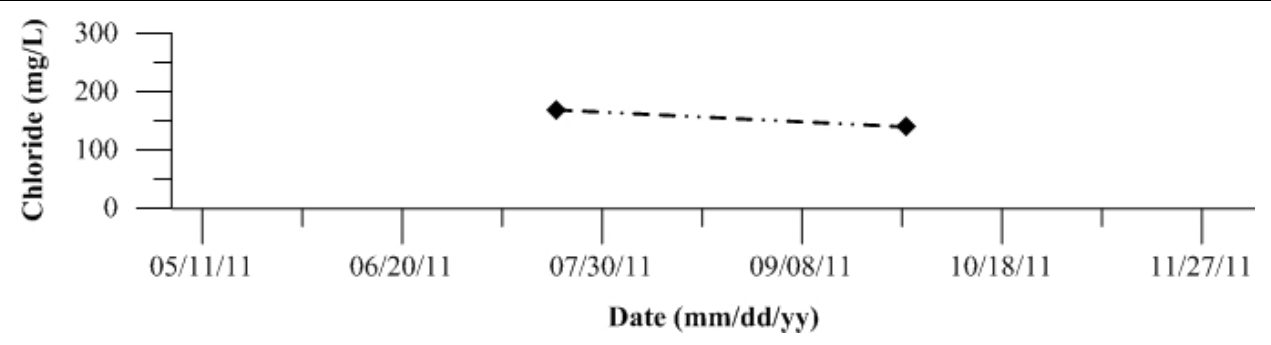


Figure 1004: Chloride for Site 21 Orestimba Creek at River Road. Data collected in 2011.

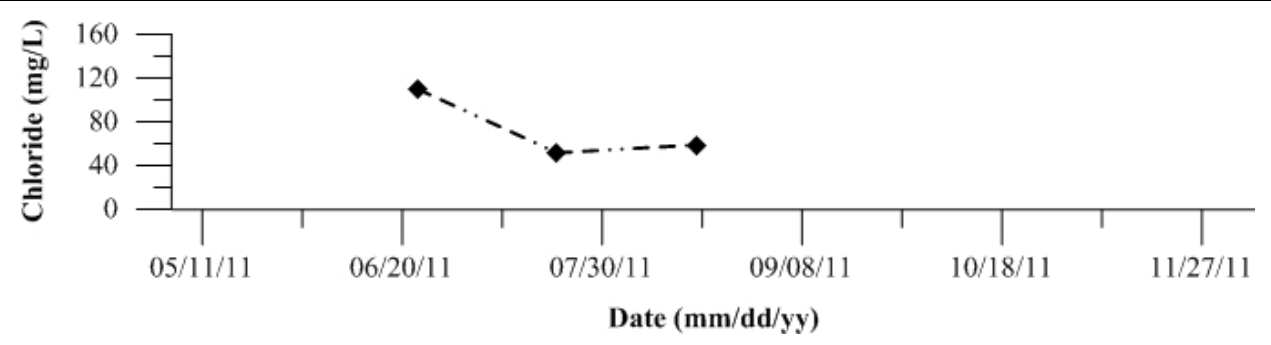


Figure 1005: Chloride for Site 25 Miller Lake at Stanislaus River. Data collected in 2011.

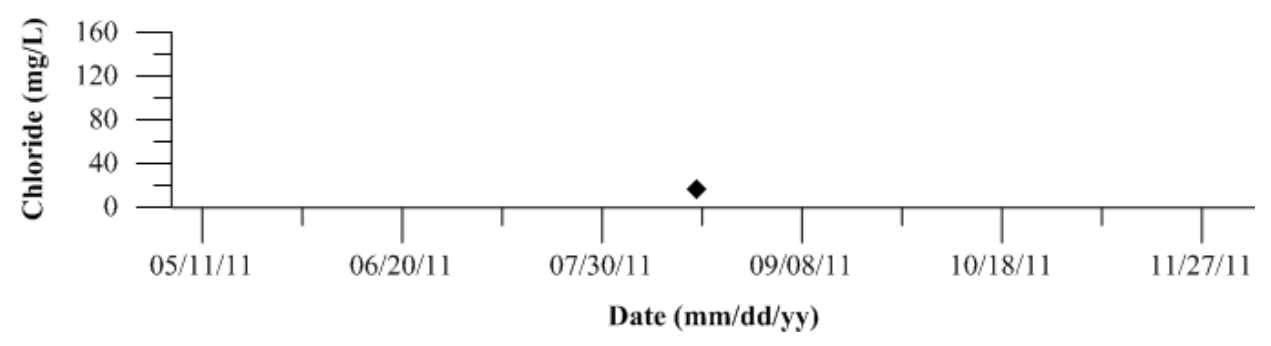


Figure 1006: Chloride for Site 29 Harding Drain at Carpenter Road. Data collected in 2011.

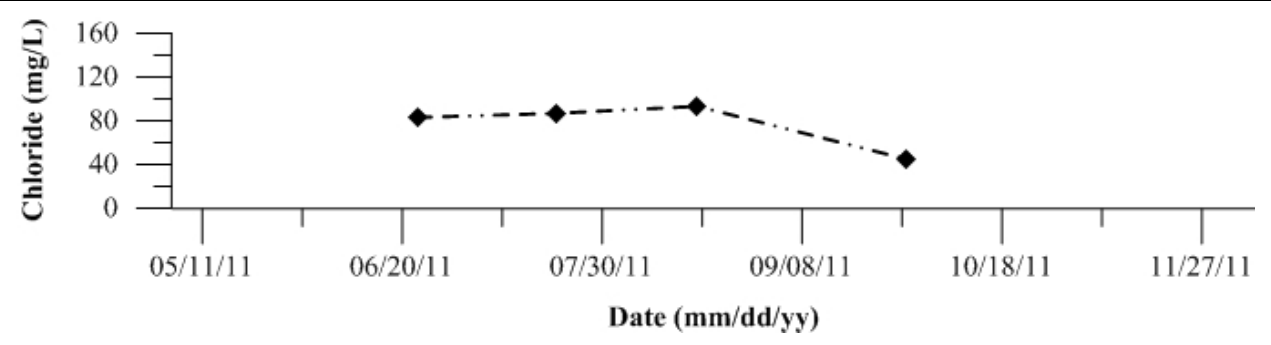


Figure 1007: Chloride for Site 34 Ingram Creek. Data collected in 2011.

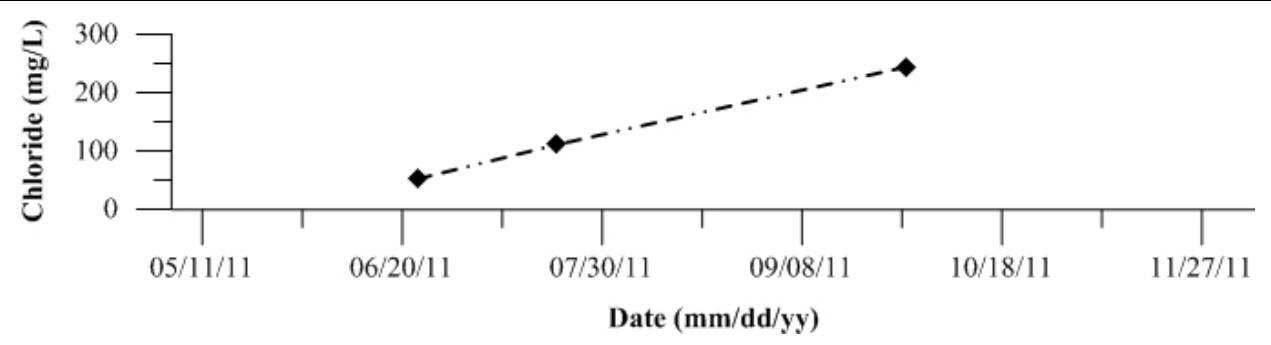


Figure 1008: Chloride for Site 36 Del Puerto Creek. Data collected in 2011.

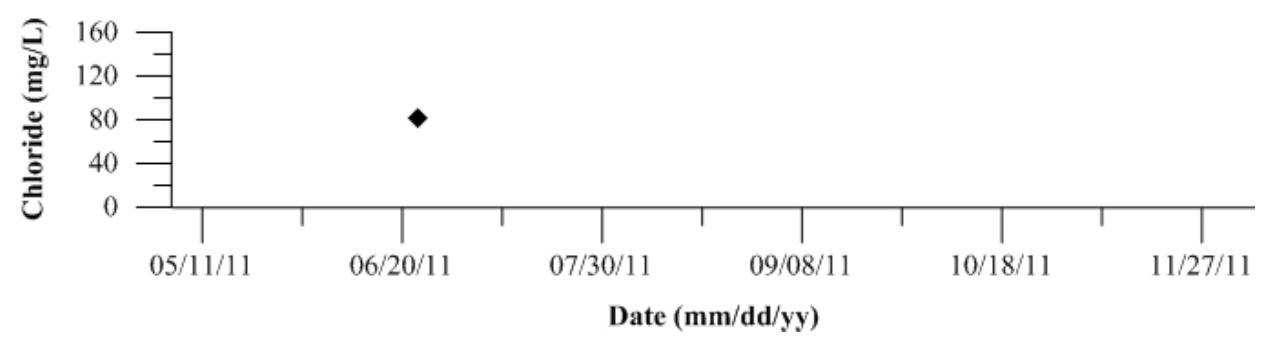


Figure 1009: Chloride for Site 44 San Luis Drain End. Data collected in 2011.

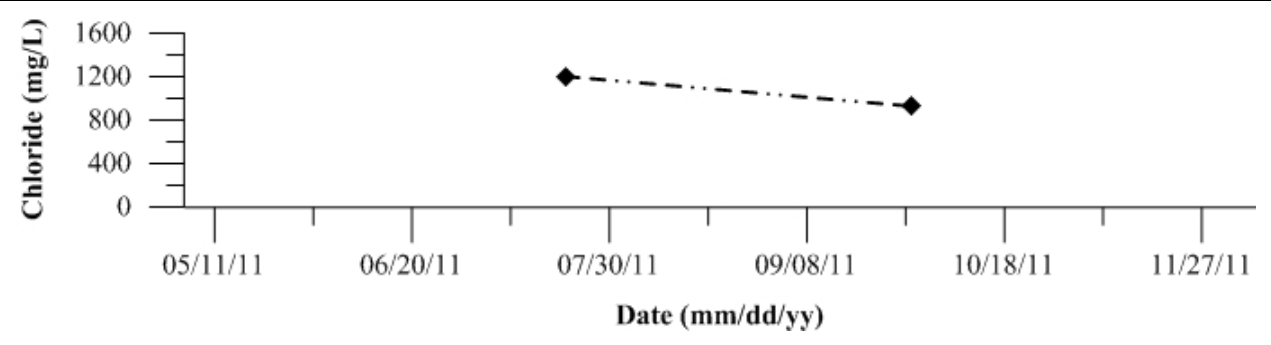


Figure 1010: Chloride for Site 57 Ramona Lake. Data collected in 2011.

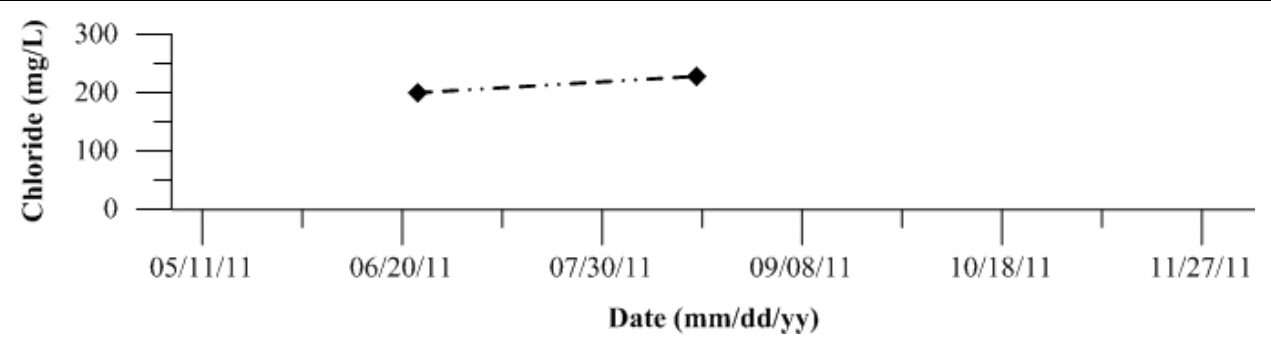


Figure 1011: Chloride for Site 127 SJR at Brant Bridge. Data collected in 2011.

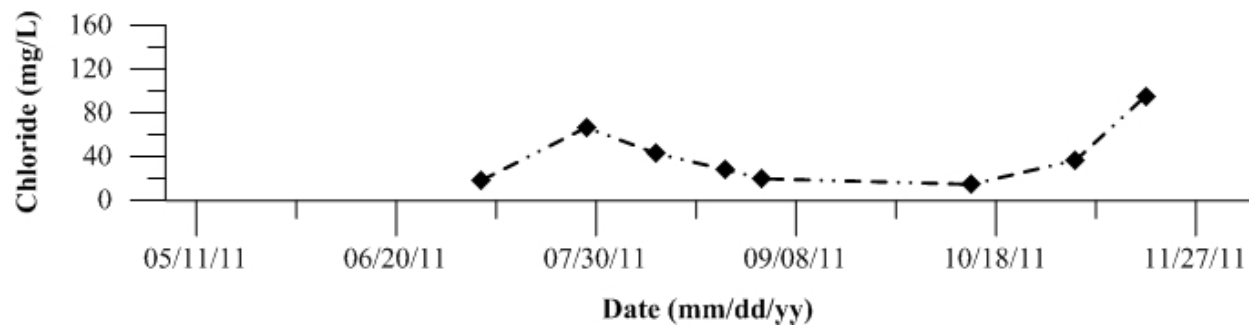


Figure 1012: Chloride for Site 402 Light 18 (Node 96). Data collected in 2011.

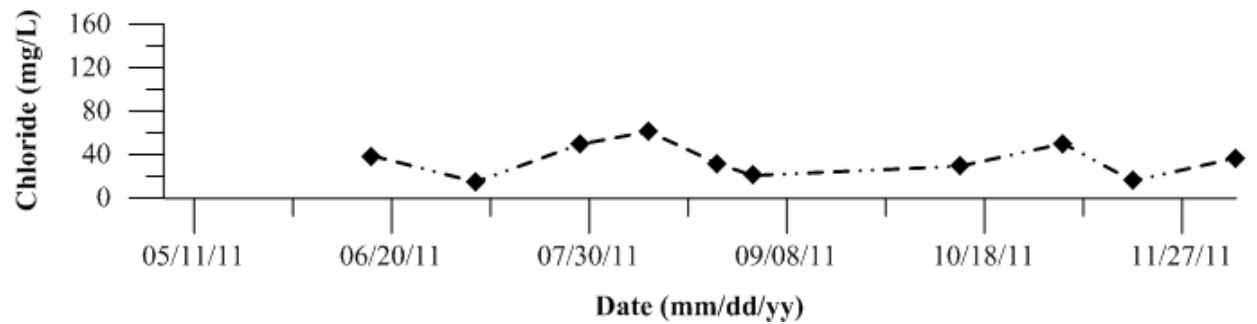


Figure 1013: Chloride for Site 405 Calaveras River. Data collected in 2011.

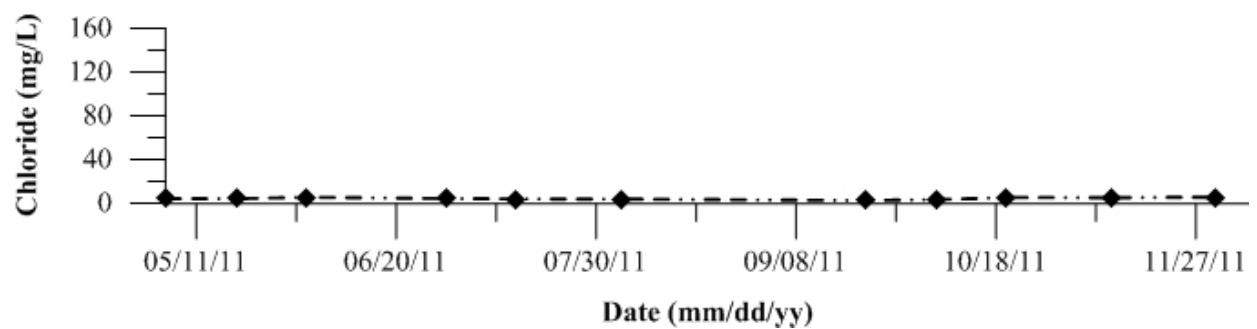


Figure 1014: Chloride for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2011.

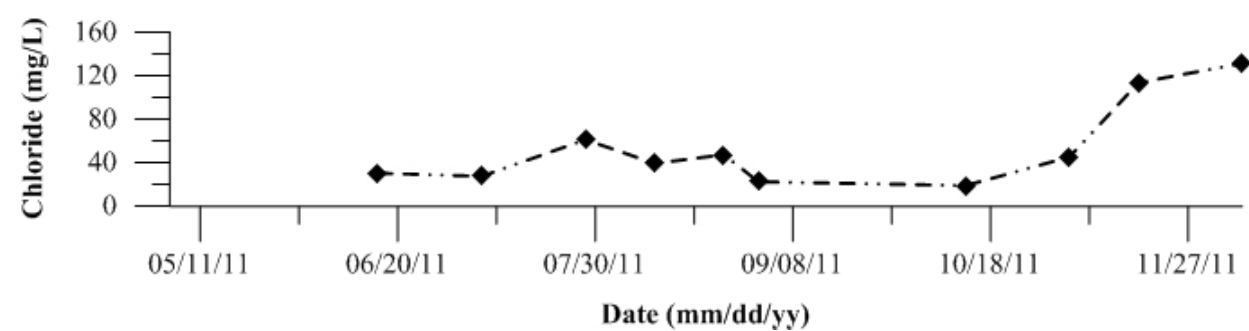


Figure 1015: Chloride for Site 410 Bear Creek at Trinity Bridge. Data collected in 2011.

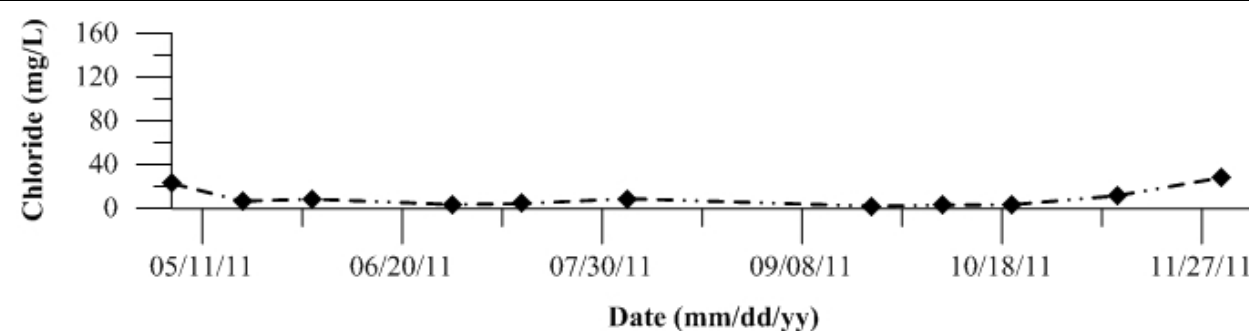


Figure 1016: Chloride for Site 413 Smith Canal at Yosemite Lake. Data collected in 2011.

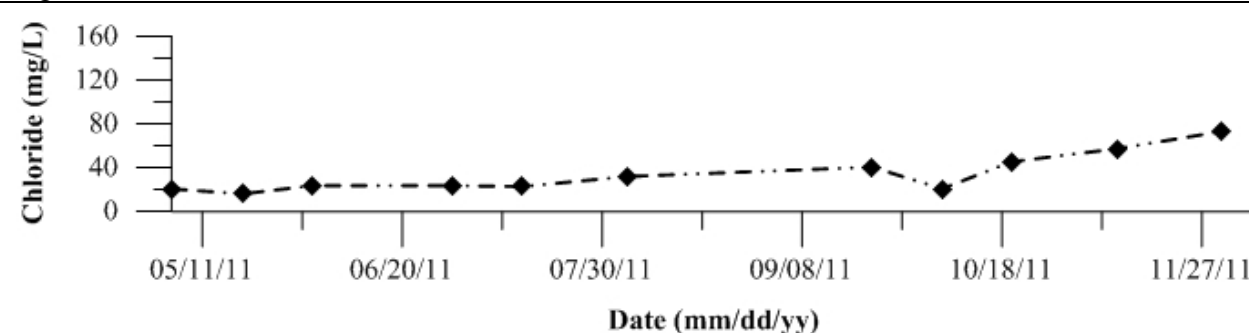


Figure 1017: Chloride for Site 420 Mosher Slough at Mariners Dr. Data collected in 2011.

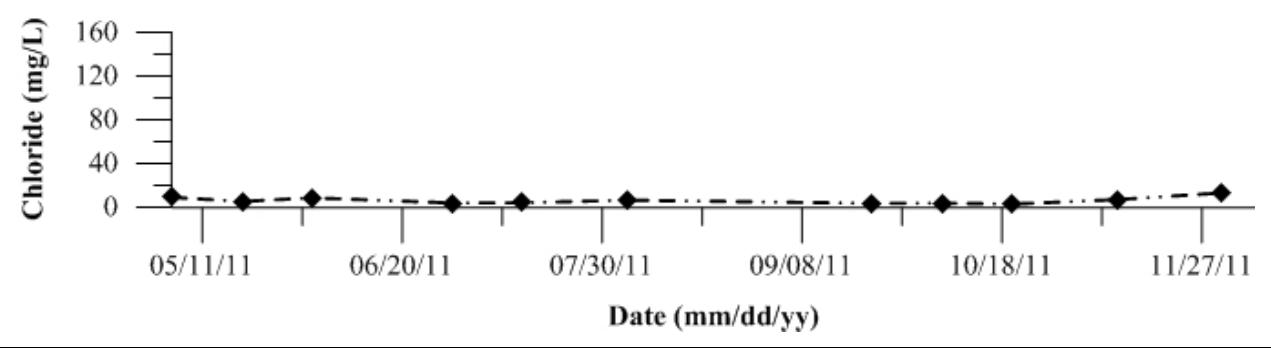


Figure 1018: Chloride for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2011.

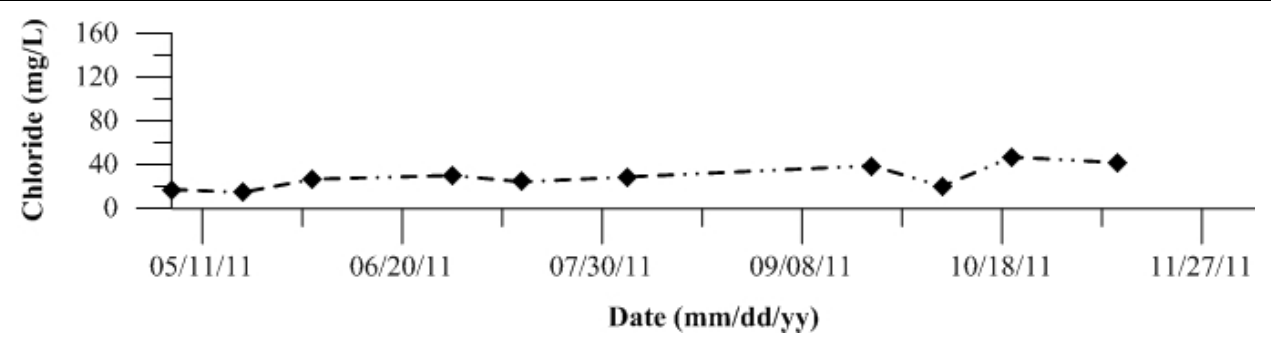


Figure 1019: Chloride for Site 424 14mi Slough. Data collected in 2011.

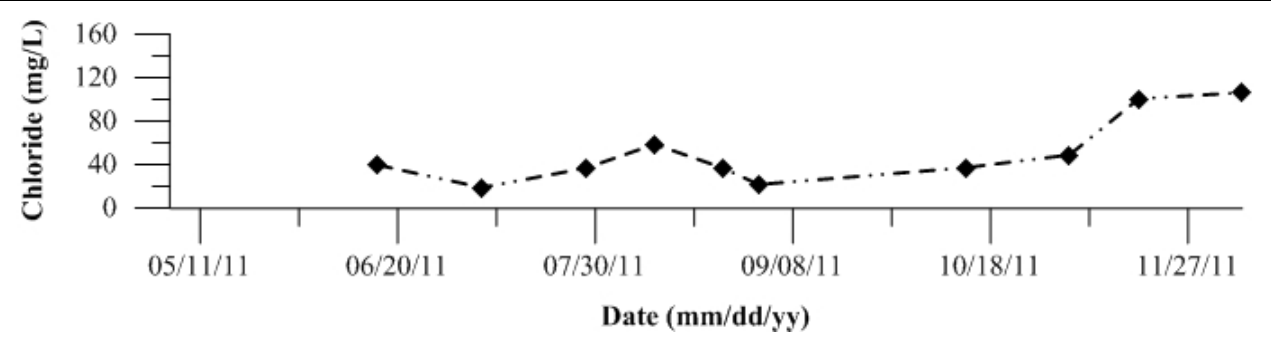


Figure 1020: Chloride for Site 425 Turner Cut. Data collected in 2011.

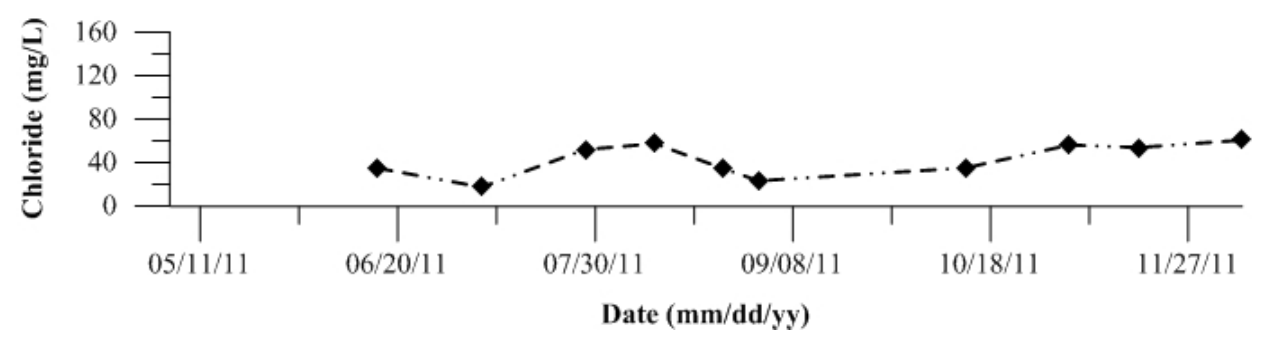


Figure 1021: Chloride for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2011.

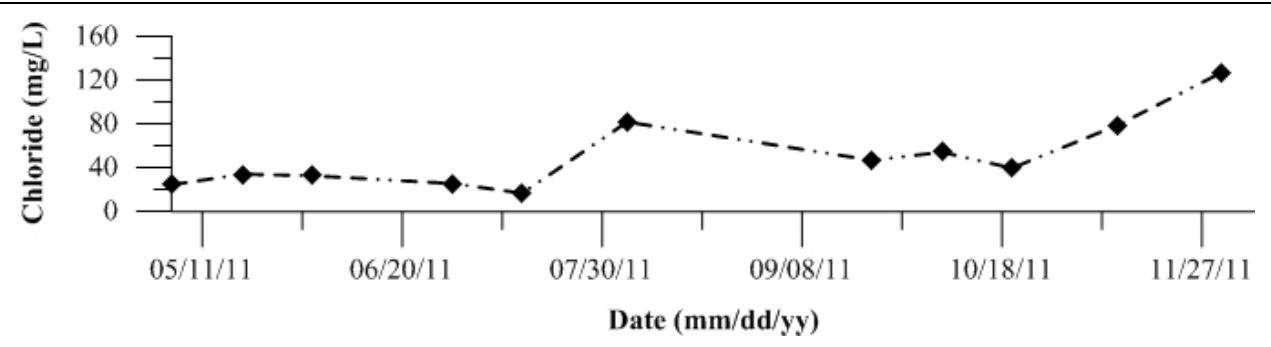


Figure 1022: Chloride for Site 427 RM 39 Near Louis Park. Data collected in 2011.

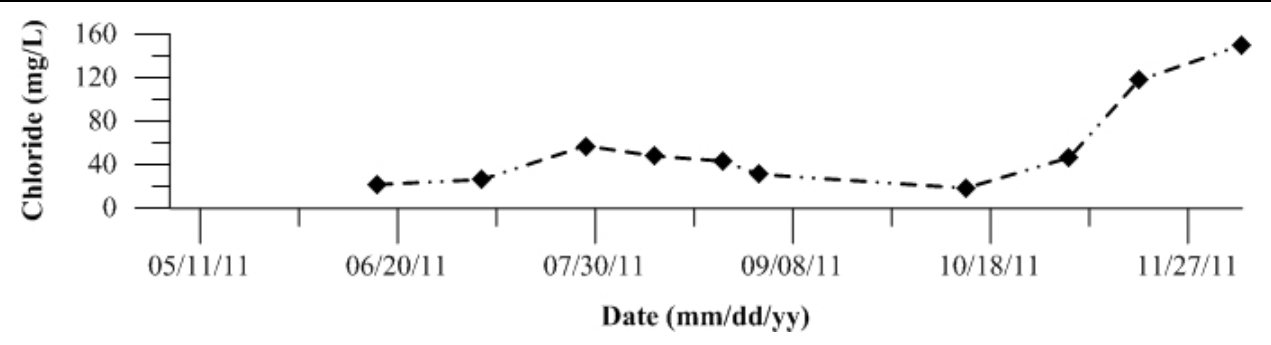


Figure 1023: Chloride for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2011.

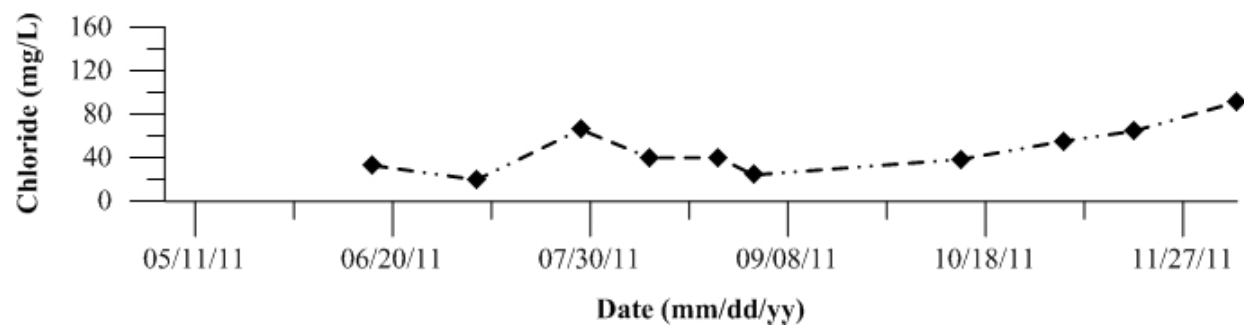
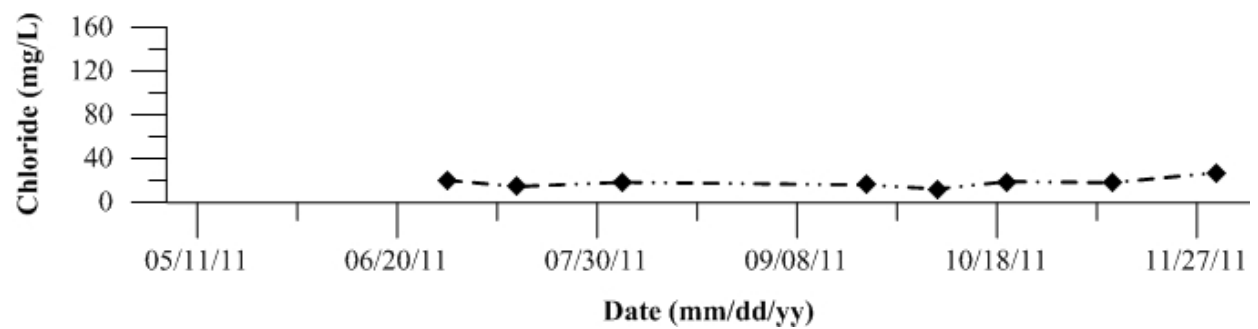


Figure 1024: Chloride for Site 433 Paradise Marina (Node 70). Data collected in 2011.



2012 Plots

Figures 1025-1050: Temporal plots of temperature by Site ID

Figure 1025: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

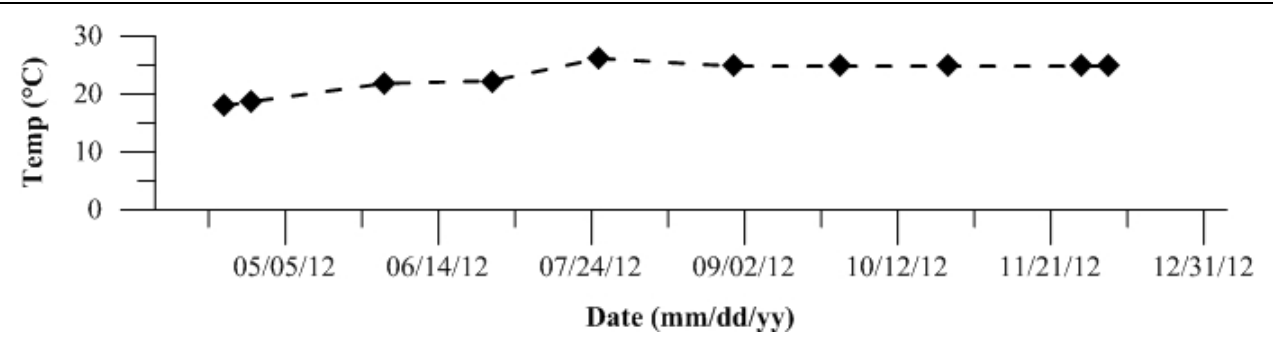


Figure 1026: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

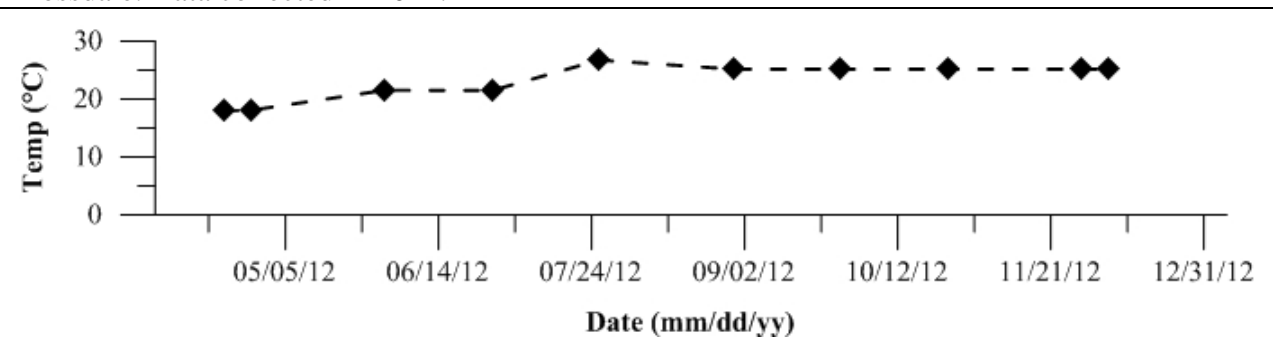


Figure 1027: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

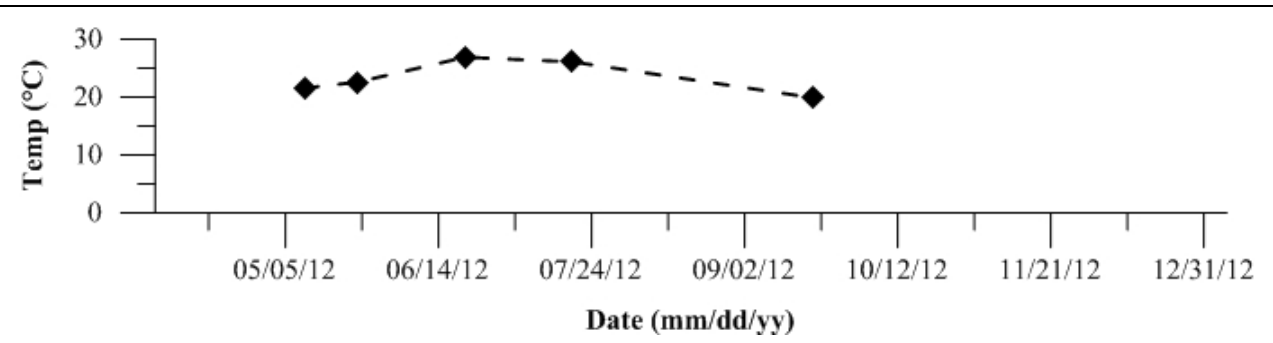


Figure 1028: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

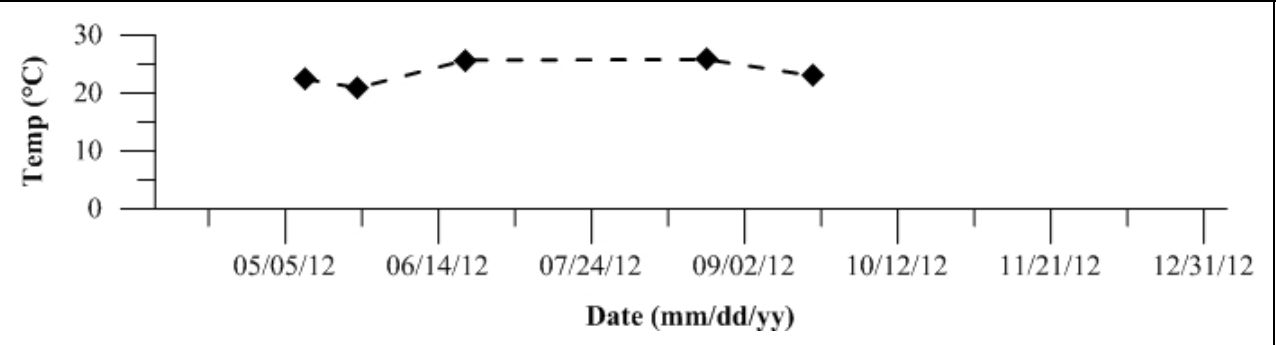


Figure 1029: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

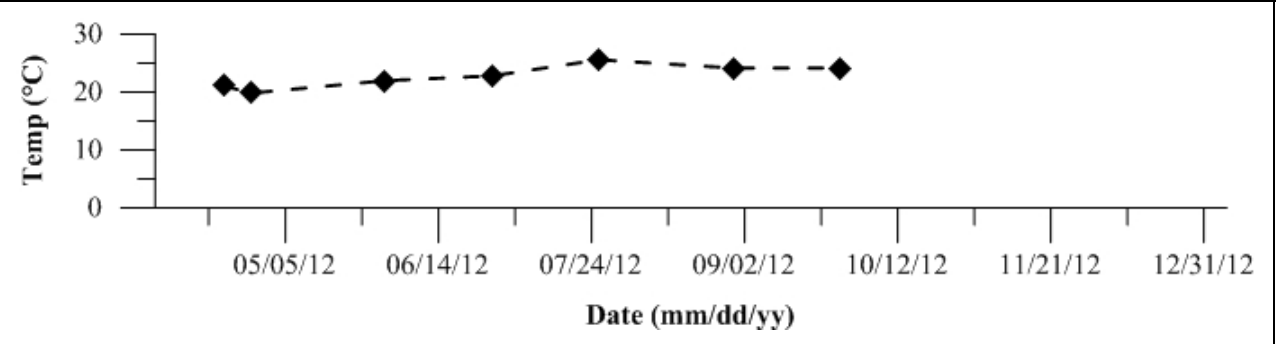


Figure 1030: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

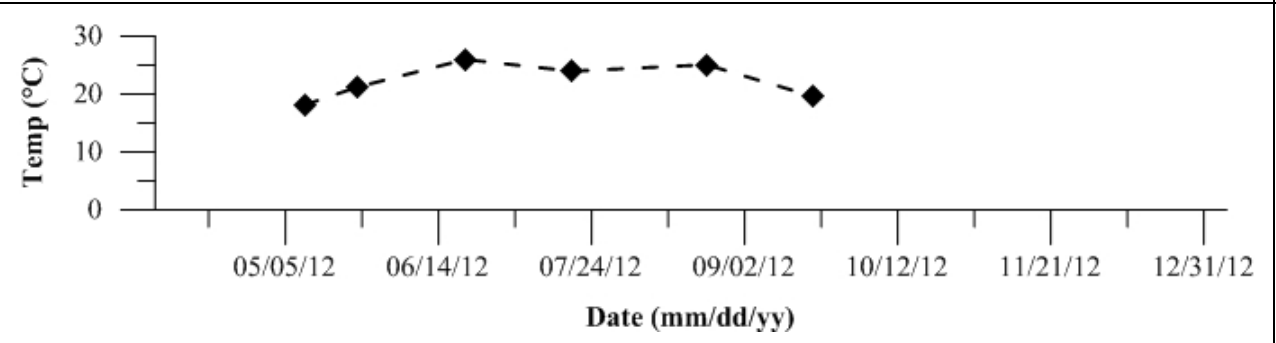


Figure 1031: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

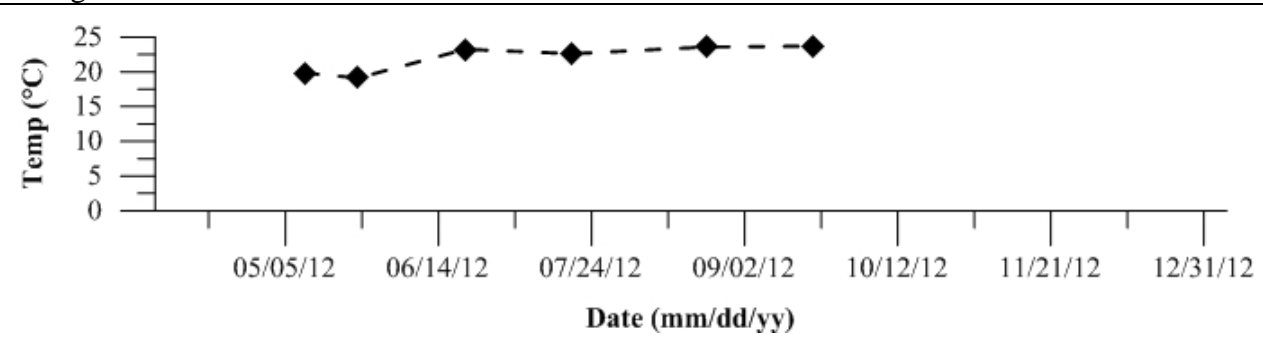


Figure 1032: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

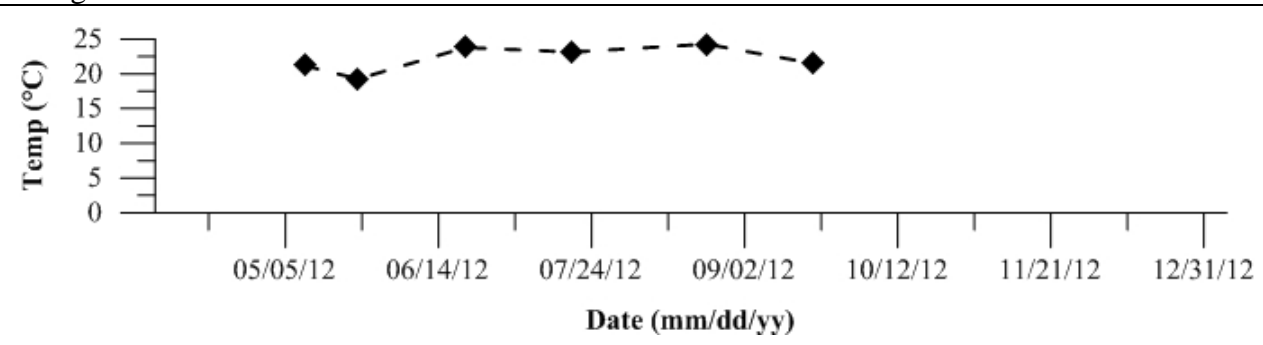


Figure 1033: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

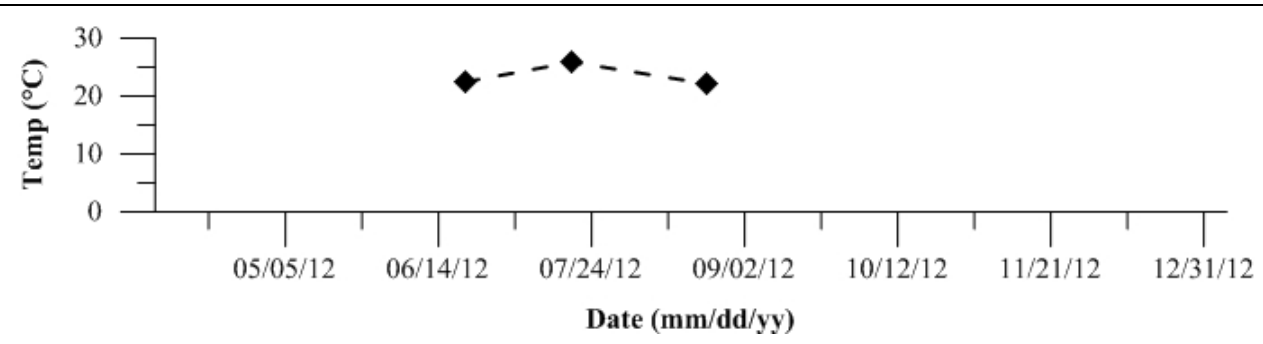


Figure 1034: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

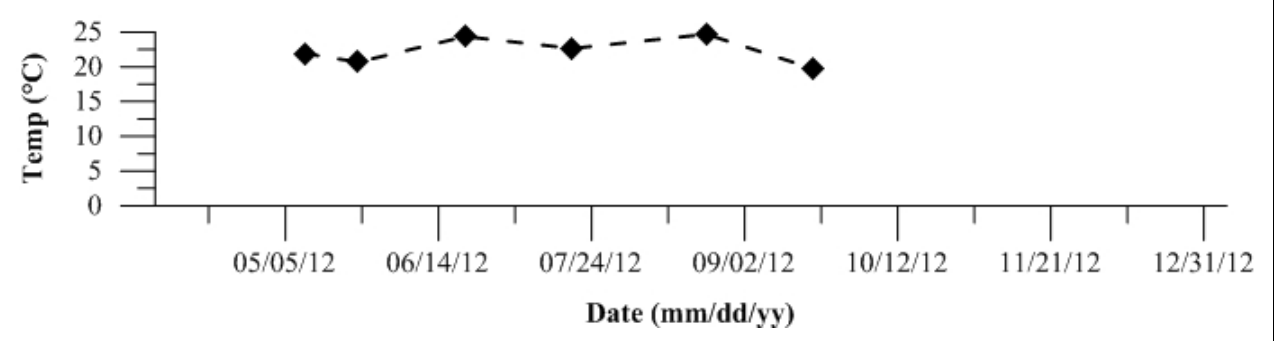


Figure 1035: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

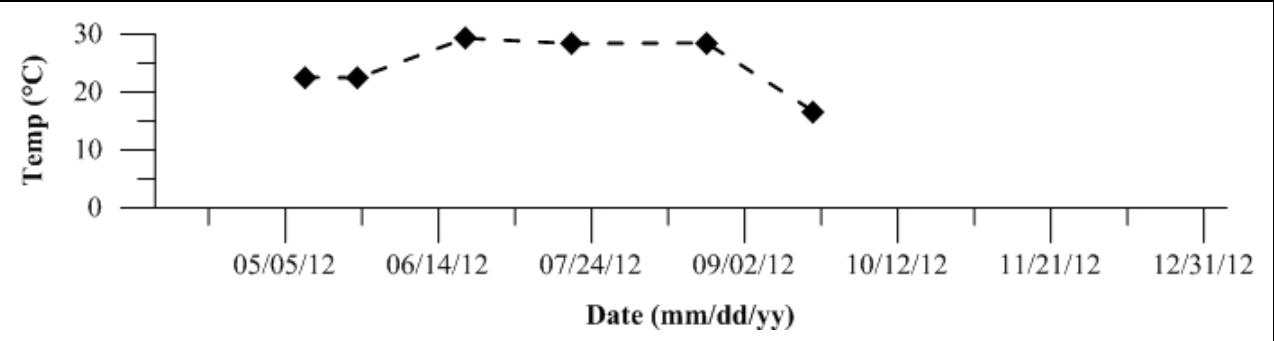


Figure 1036: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

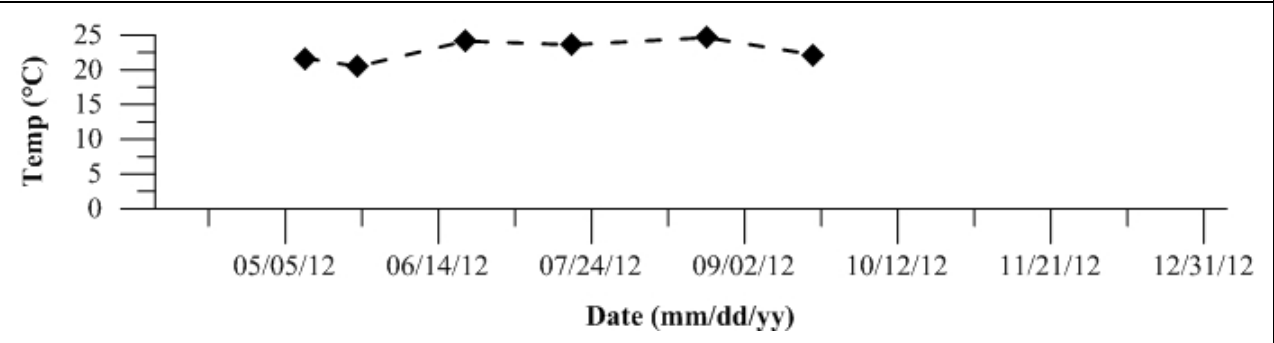


Figure 1037: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

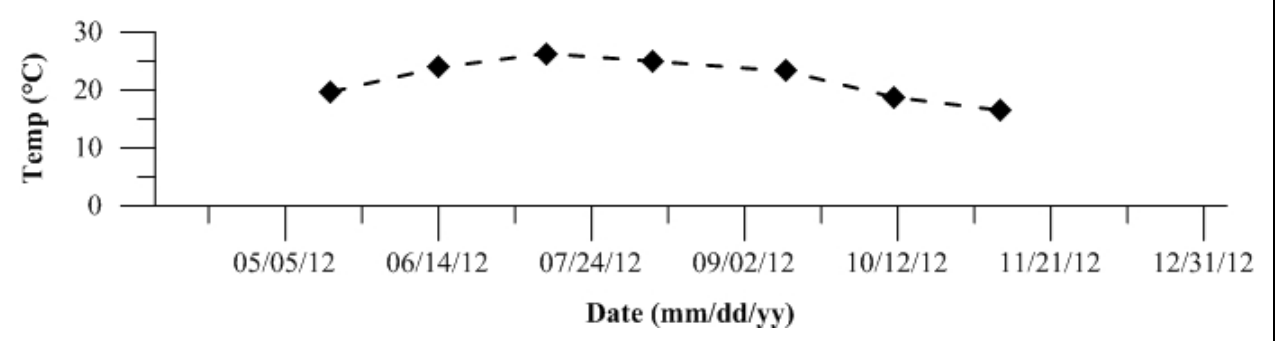


Figure 1038: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

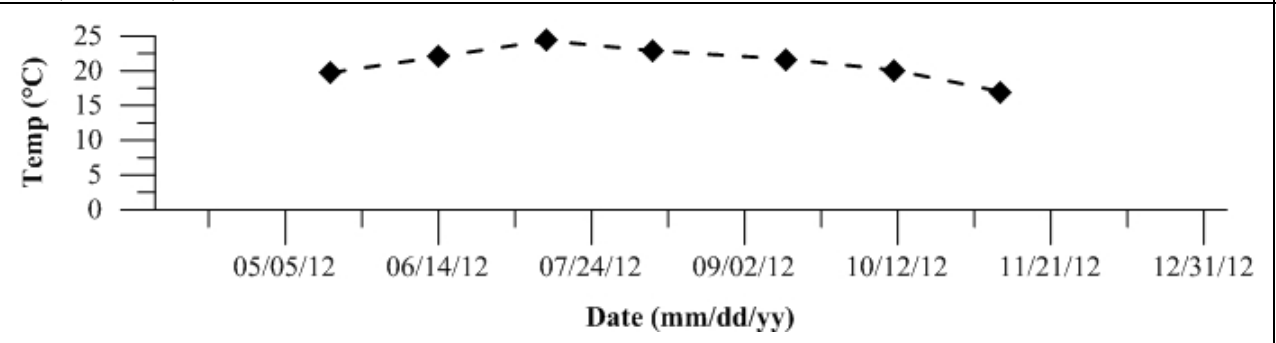


Figure 1039: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

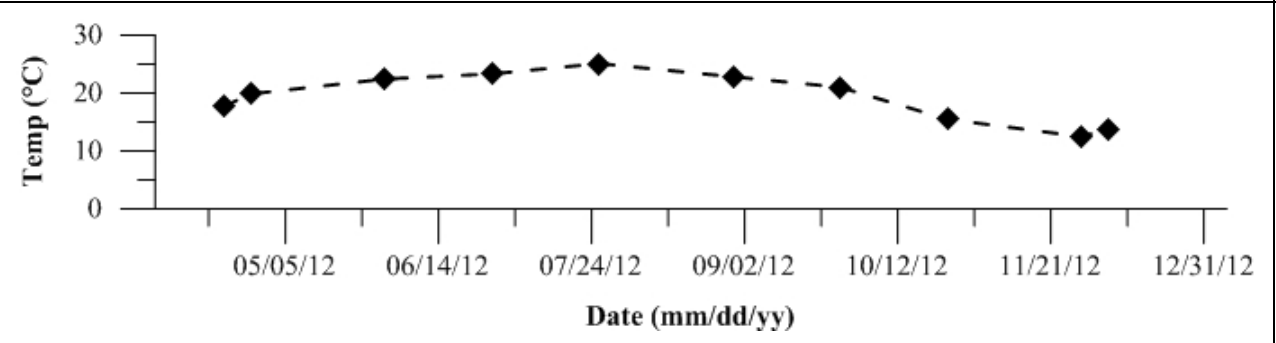


Figure 1040: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

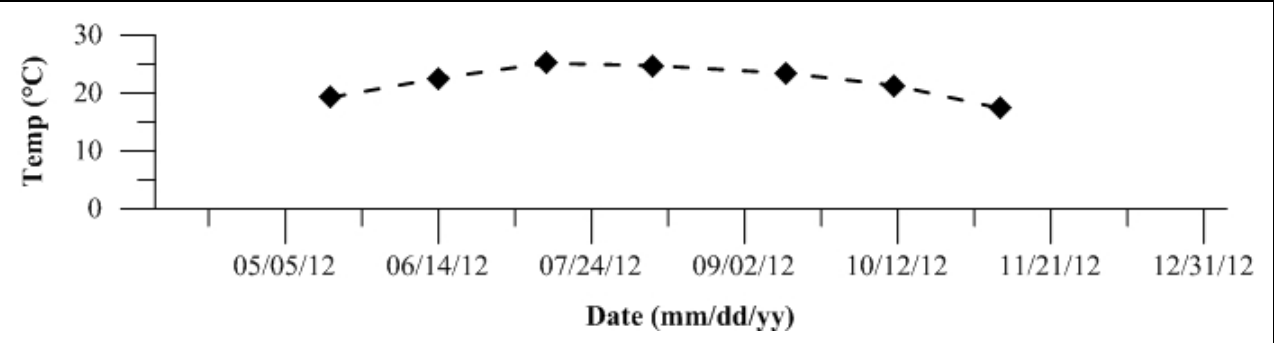


Figure 1041: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

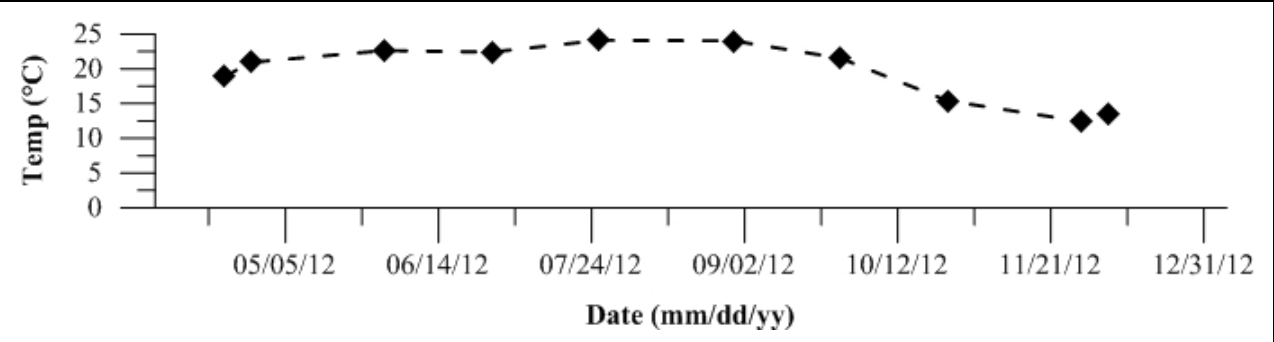


Figure 1042: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

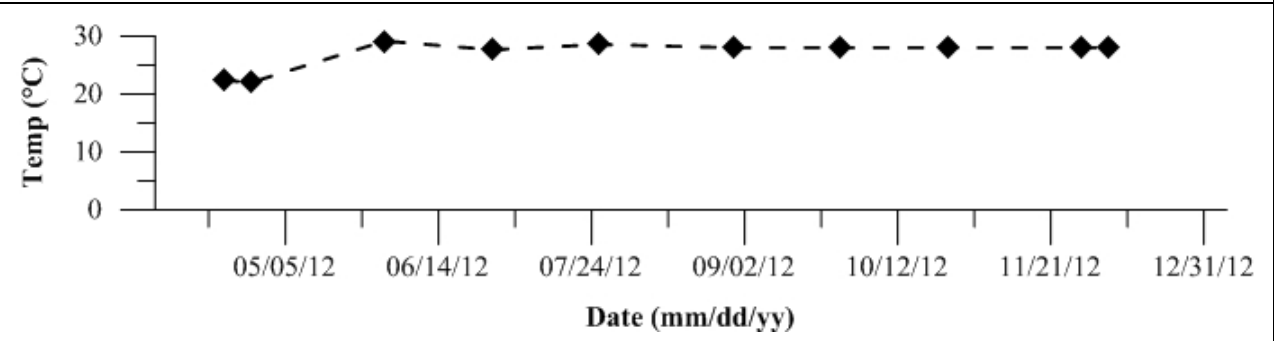


Figure 1043: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

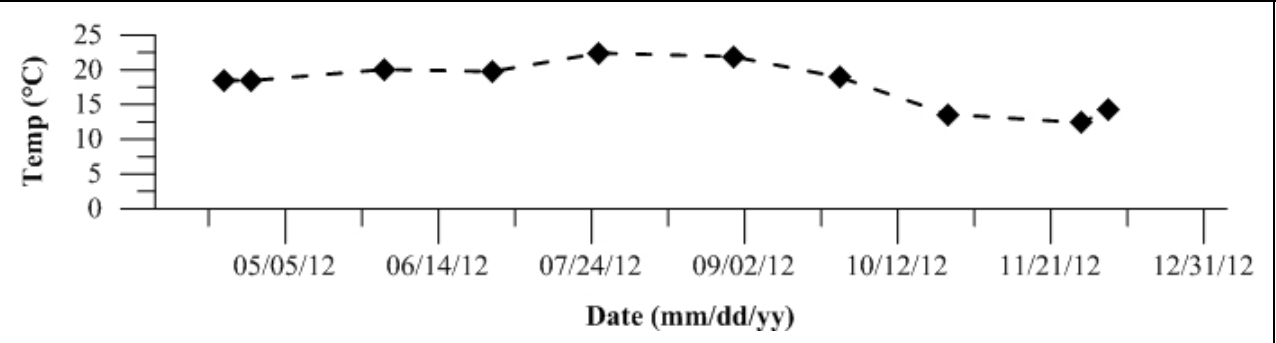


Figure 1044: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

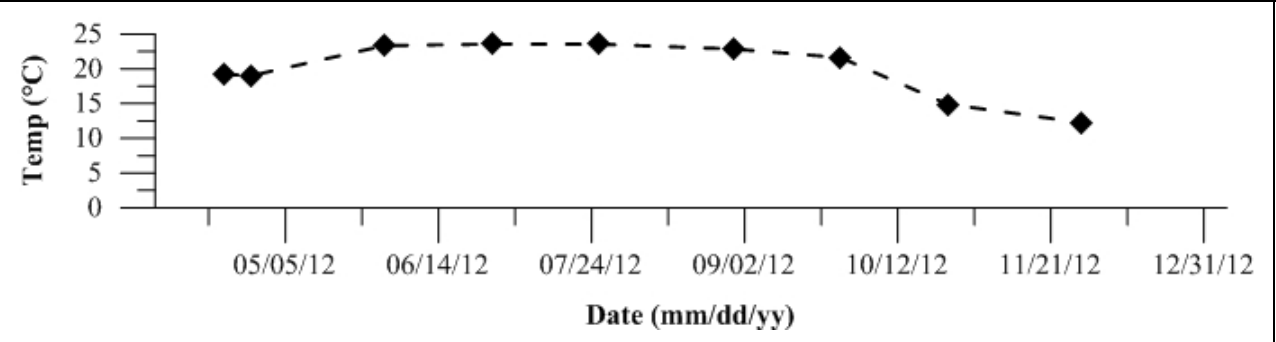


Figure 1045: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

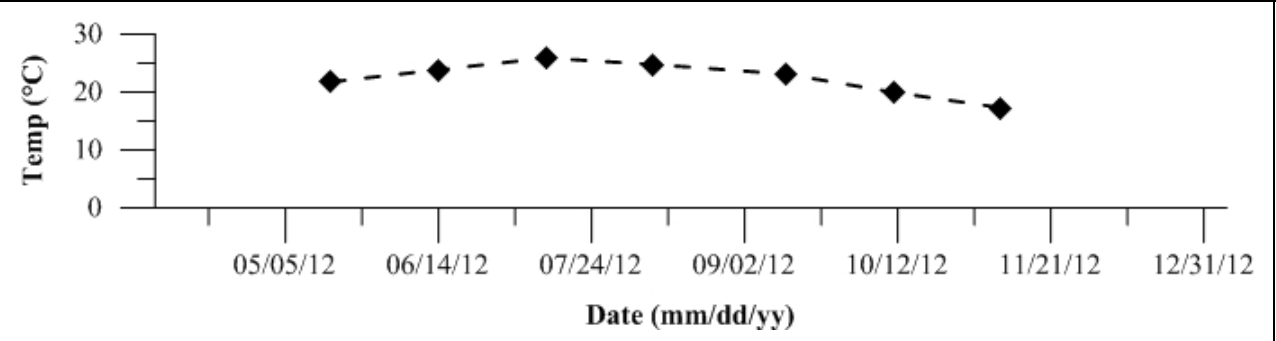


Figure 1046: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

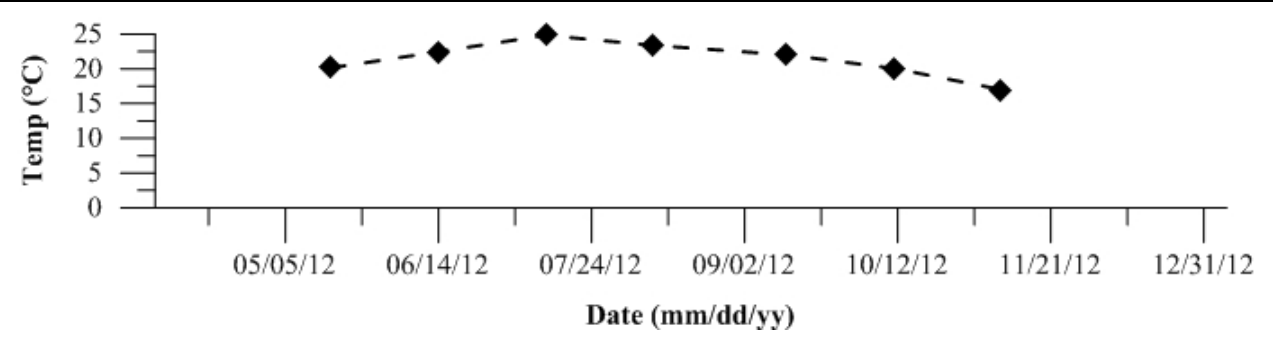


Figure 1047: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

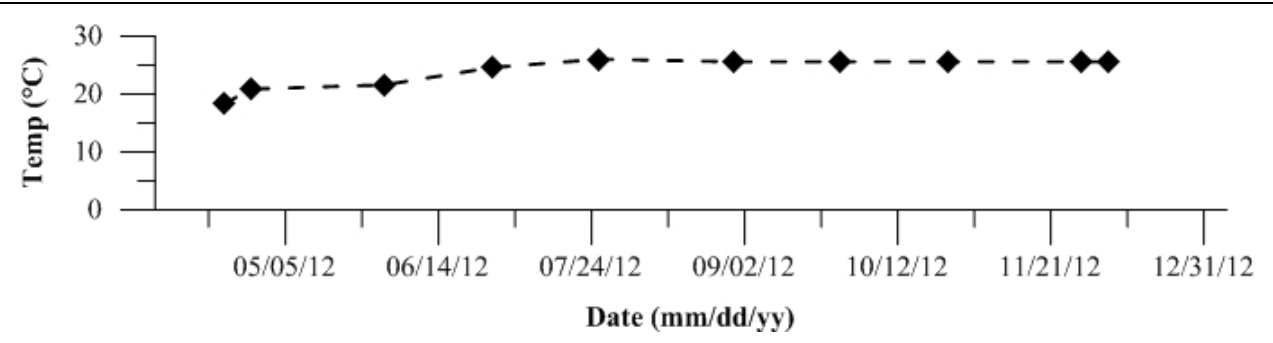


Figure 1048: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

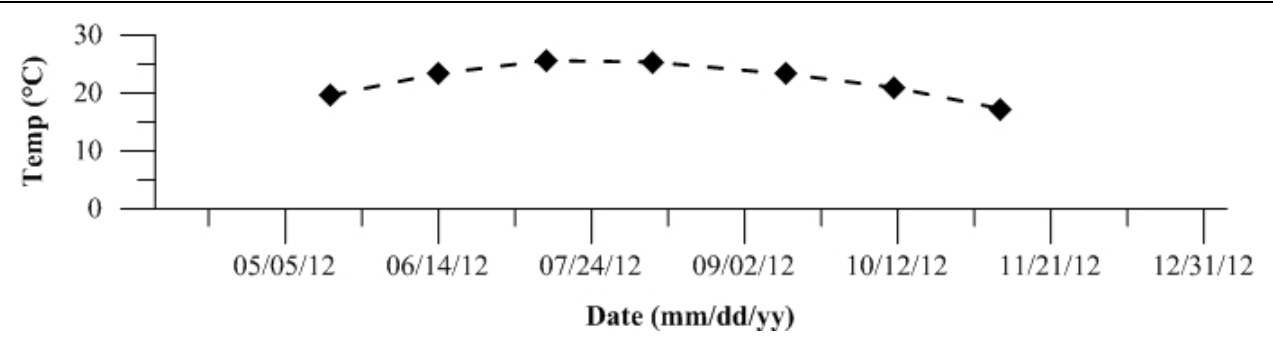


Figure 1049: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

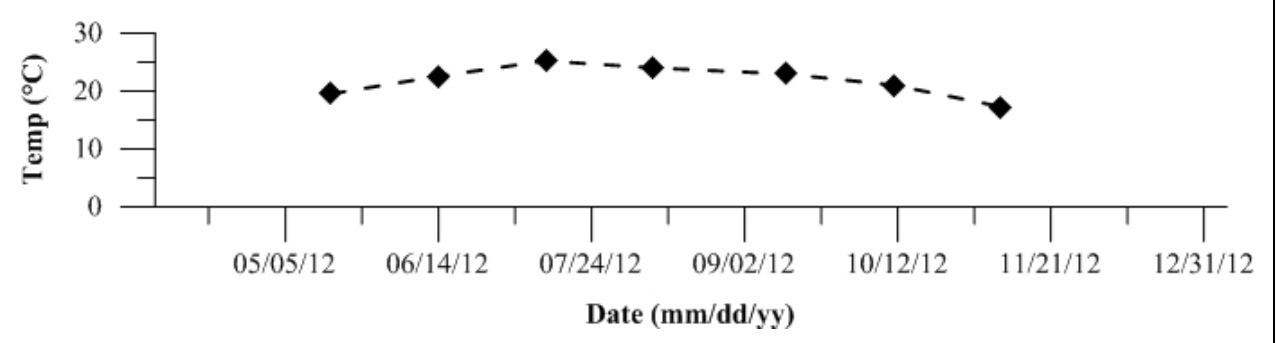
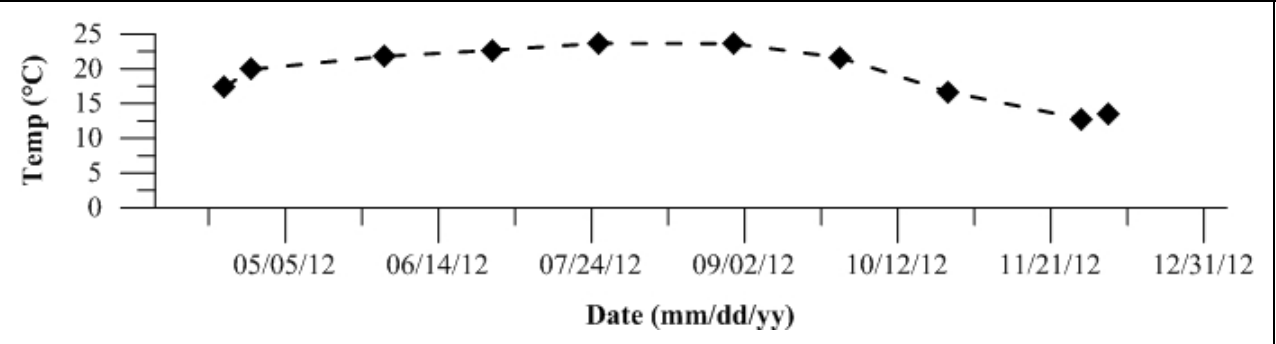


Figure 1050: Grab sample temperature taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1051-1076: Temporal plots of specific conductance as measured with the sonde by Site ID

Figure 1051: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

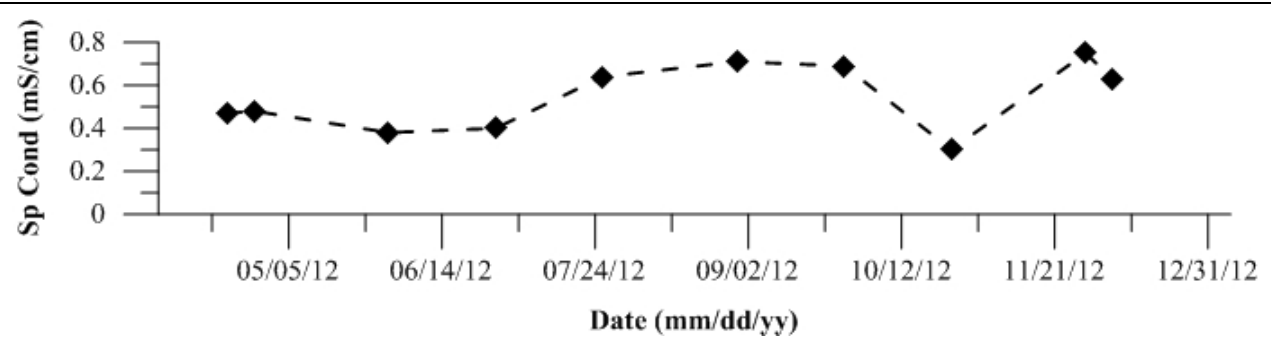


Figure 1052: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

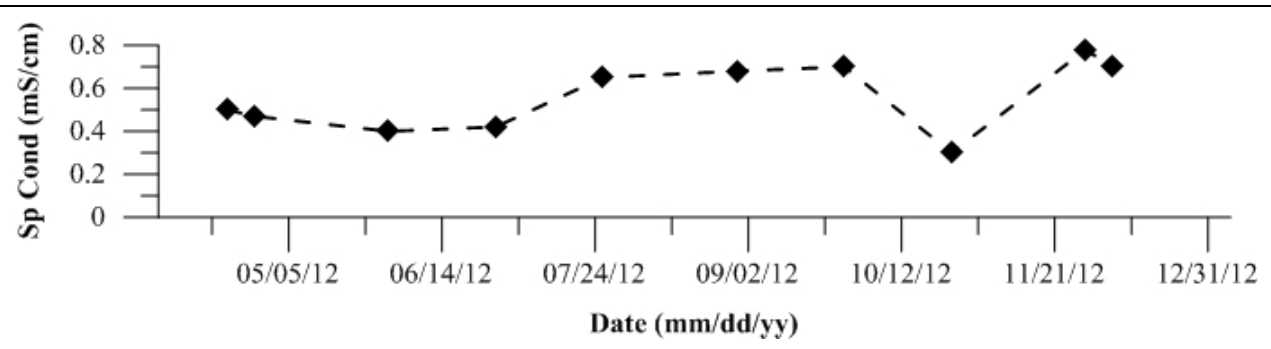


Figure 1053: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

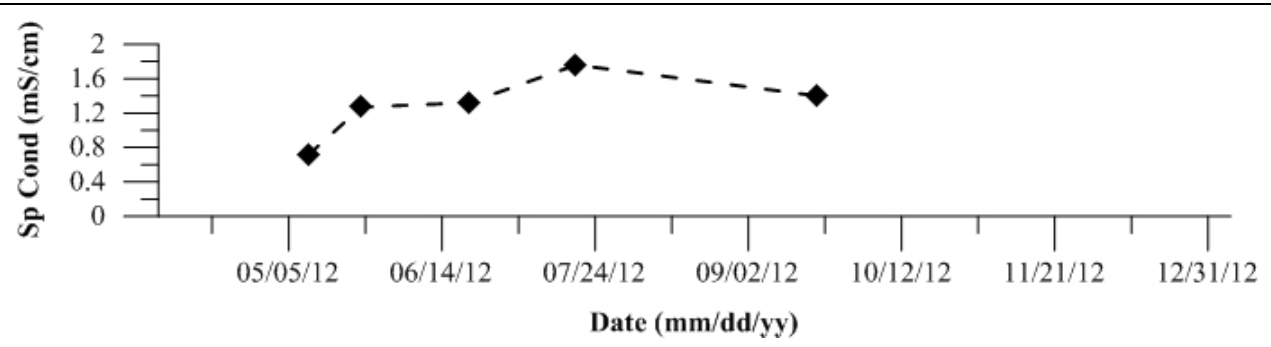


Figure 1054: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

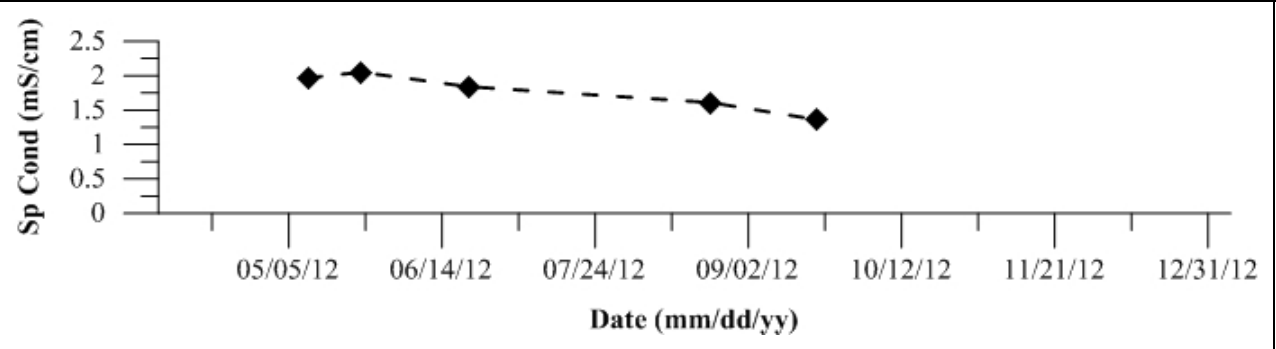


Figure 1055: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

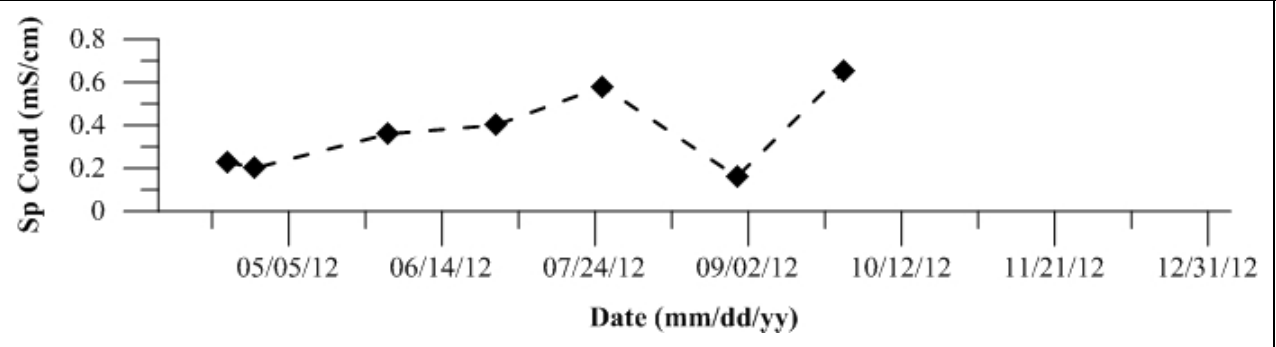


Figure 1056: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

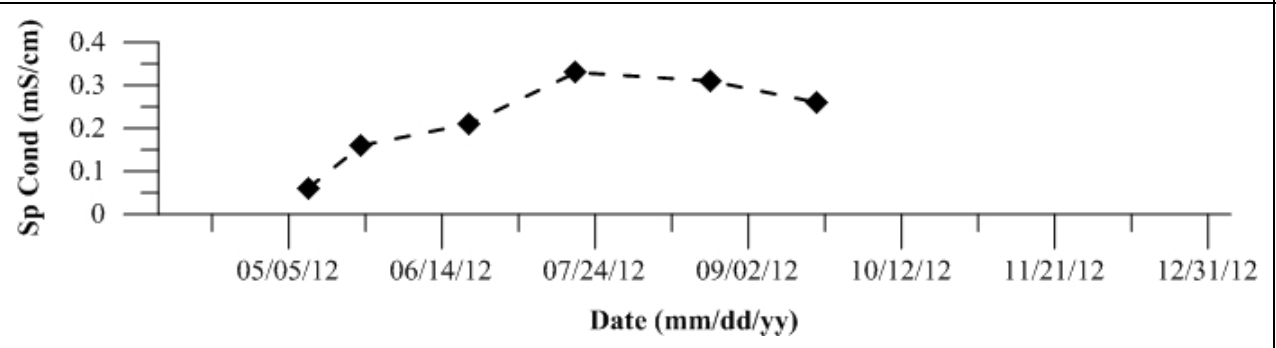


Figure 1057: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

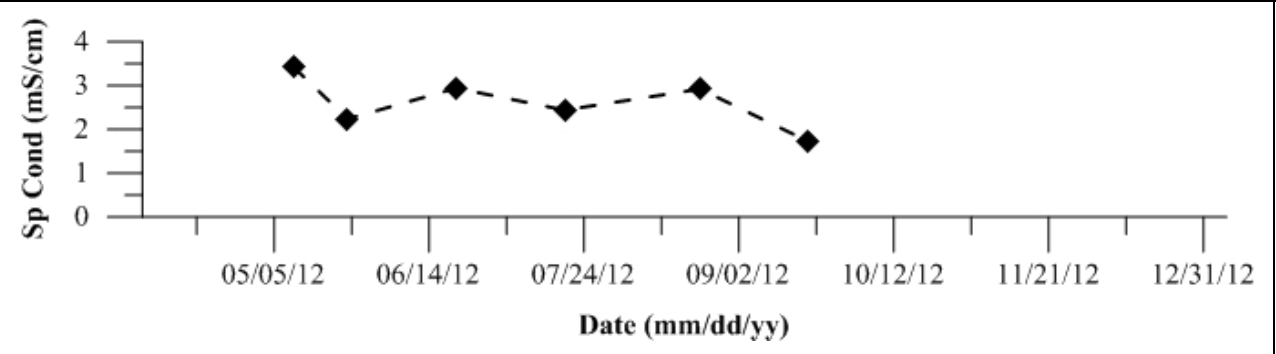


Figure 1058: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

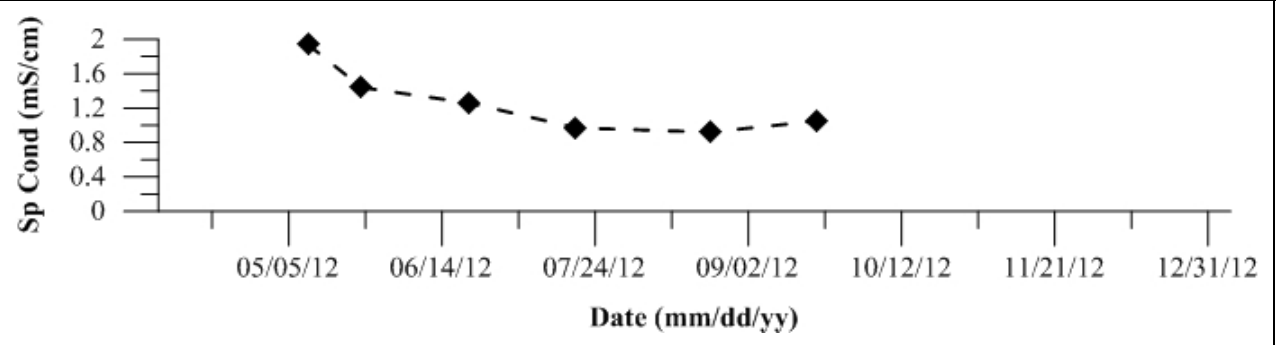


Figure 1059: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

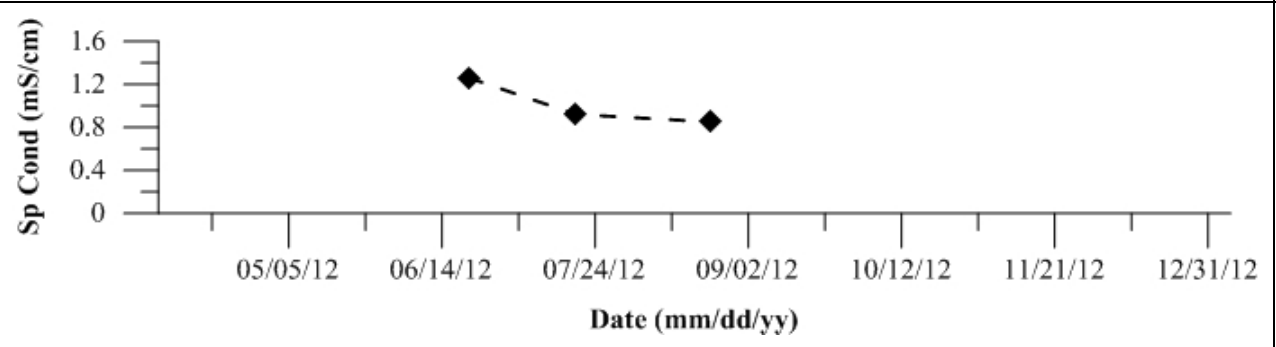


Figure 1060: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

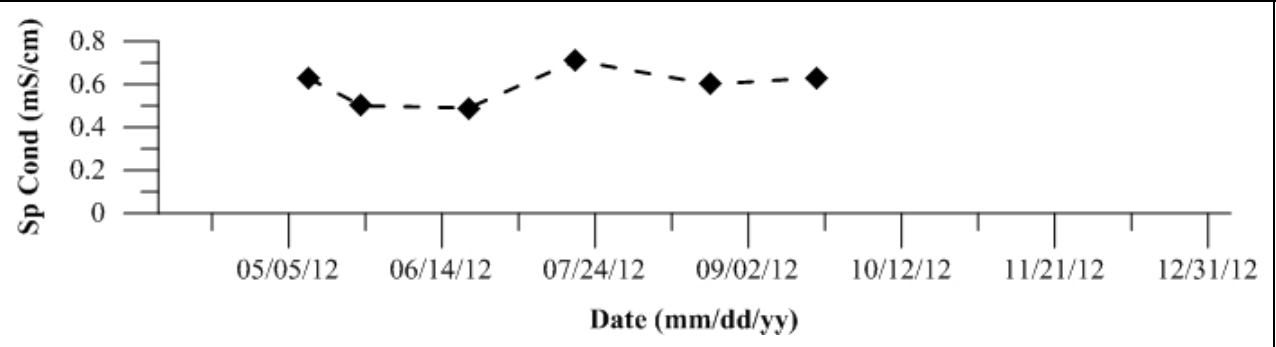


Figure 1061: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

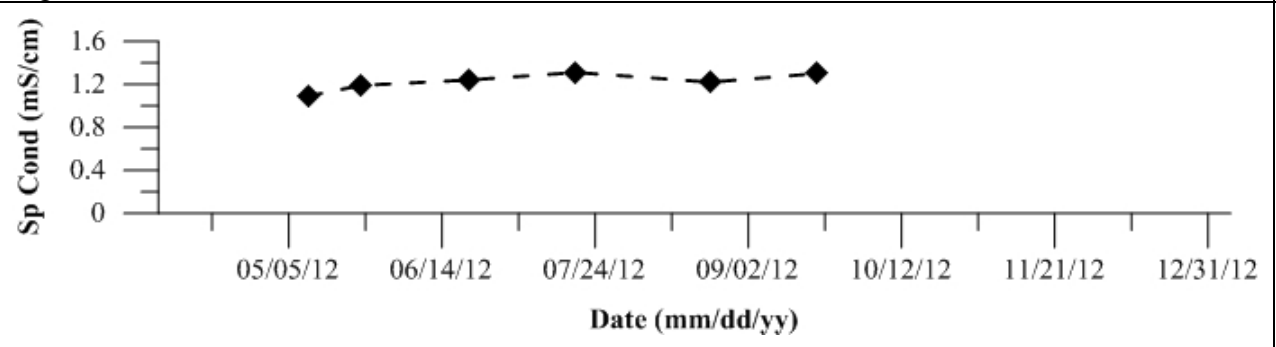


Figure 1062: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

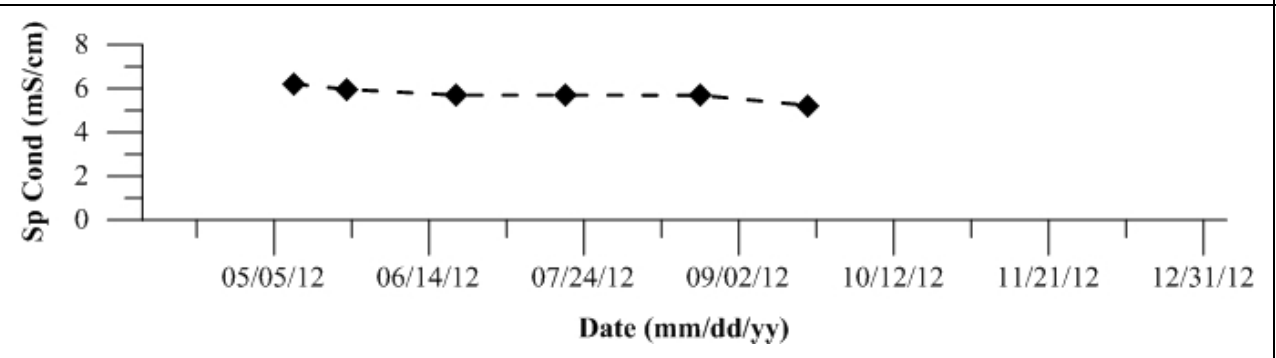


Figure 1063: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

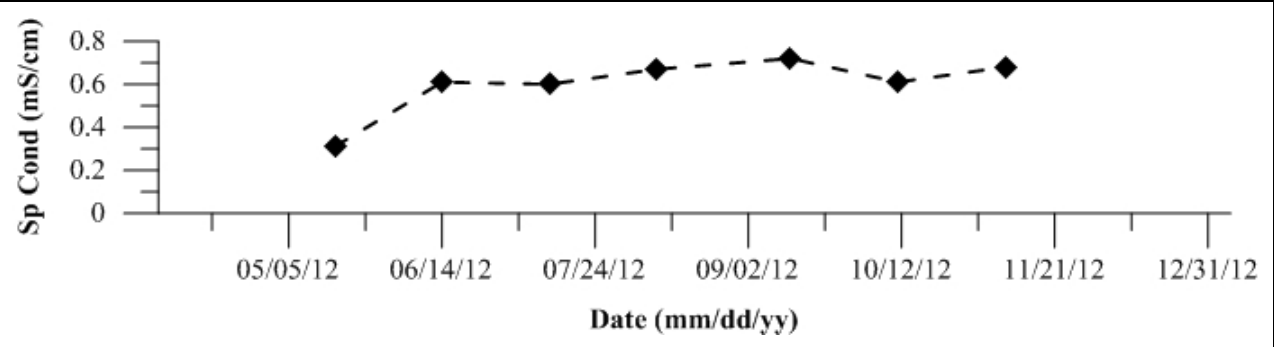


Figure 1064: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

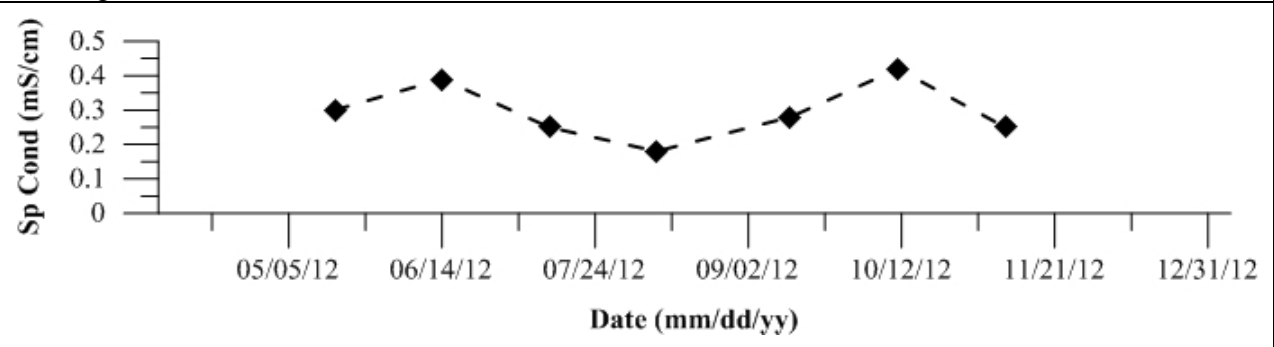


Figure 1065: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

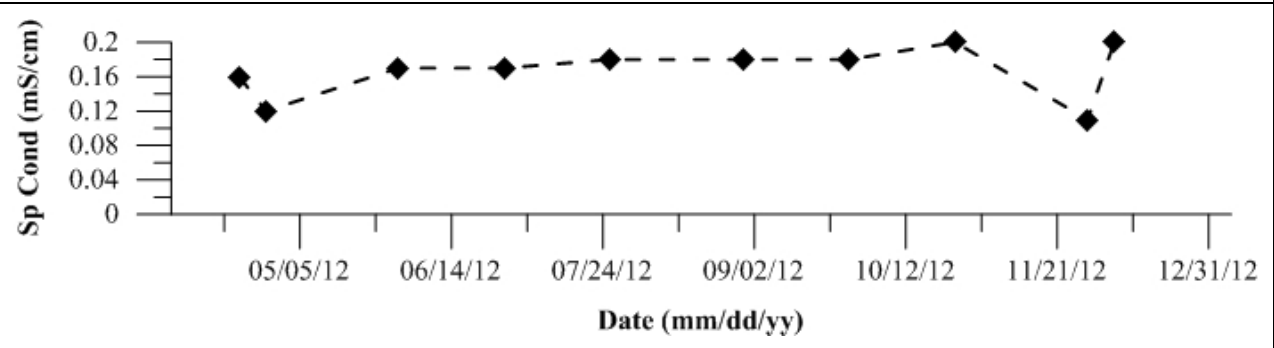


Figure 1066: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

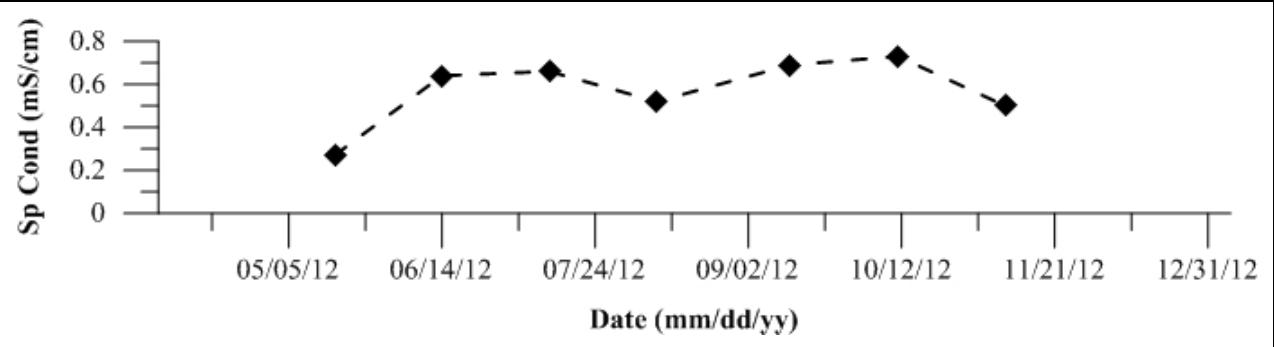


Figure 1067: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

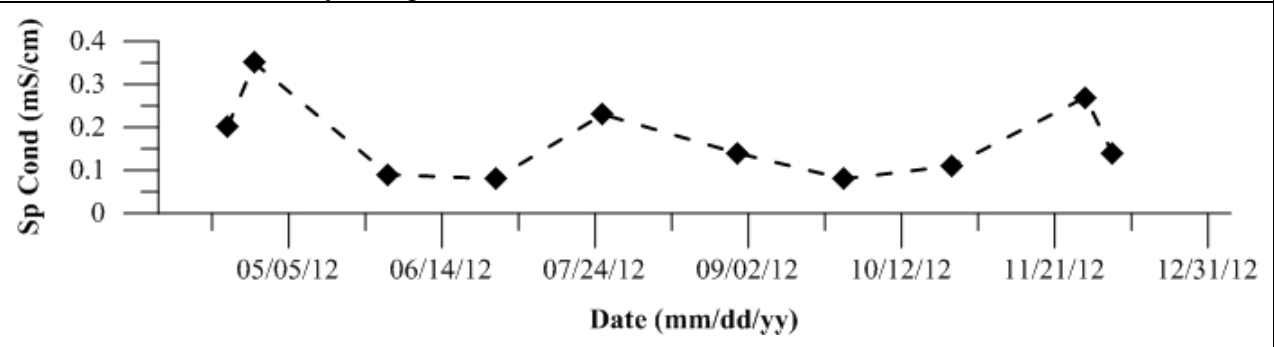


Figure 1068: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

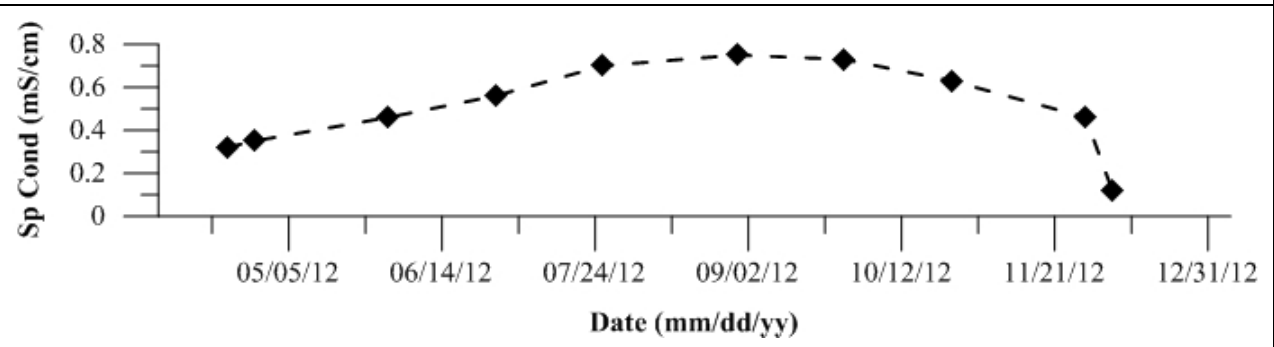


Figure 1069: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

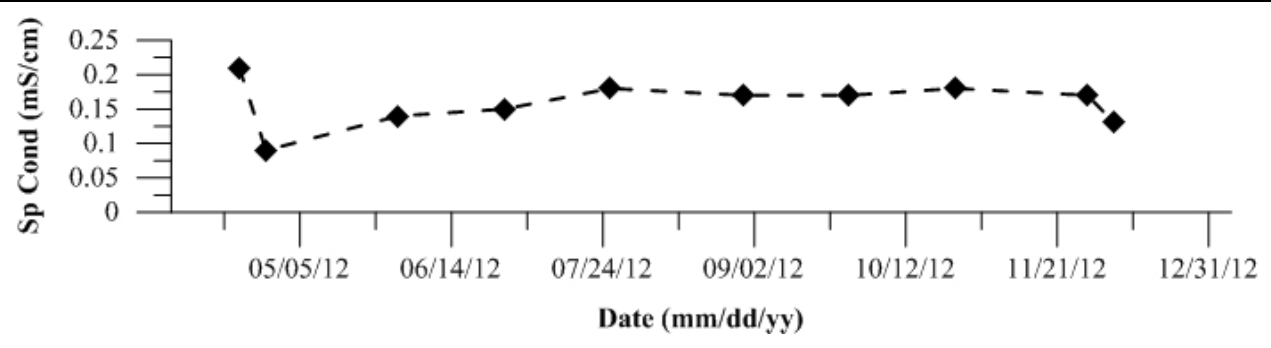


Figure 1070: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

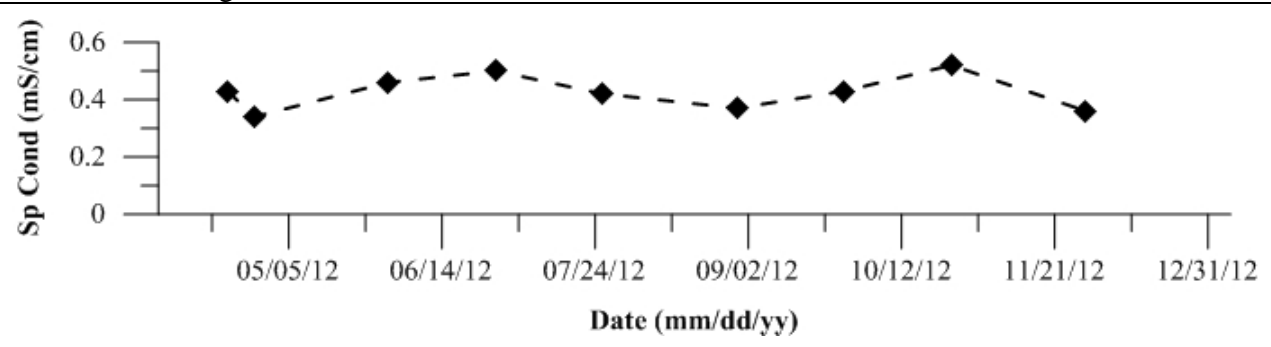


Figure 1071: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

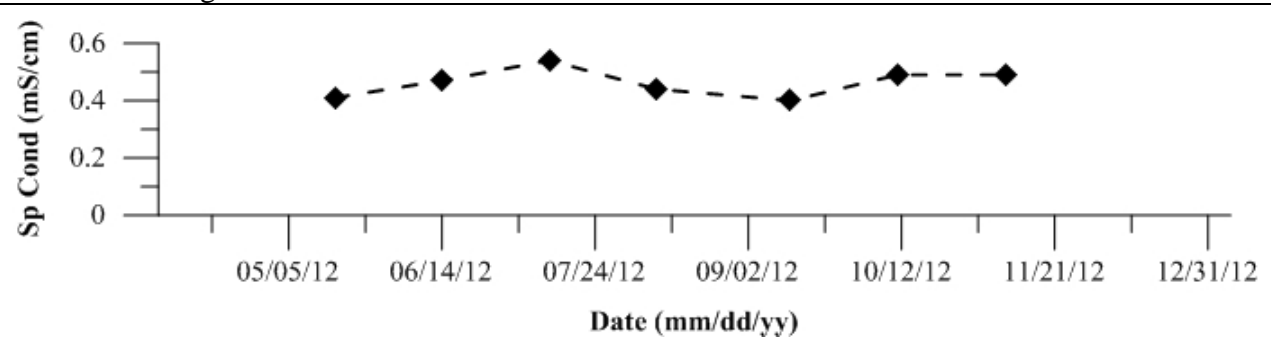


Figure 1072: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

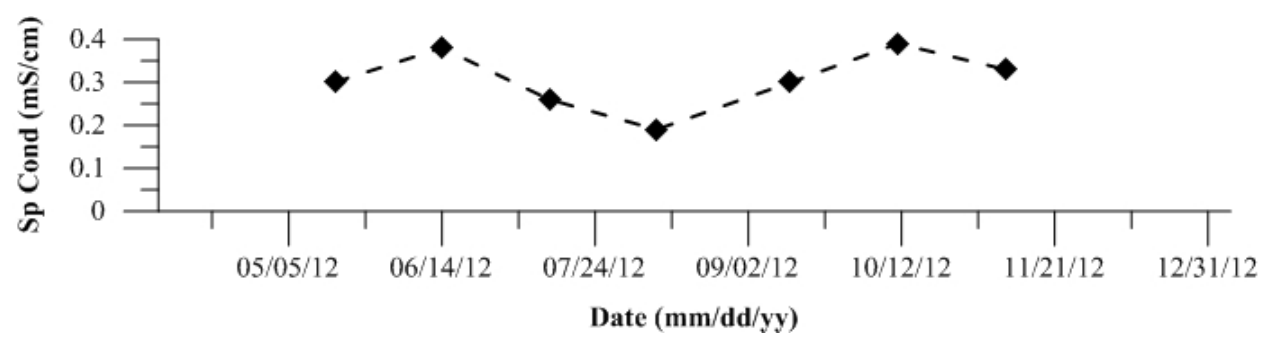


Figure 1073: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

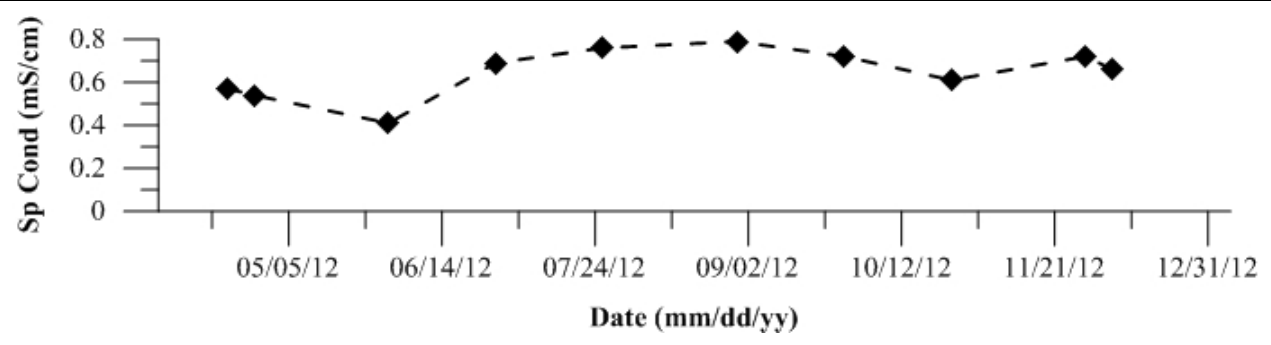


Figure 1074: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

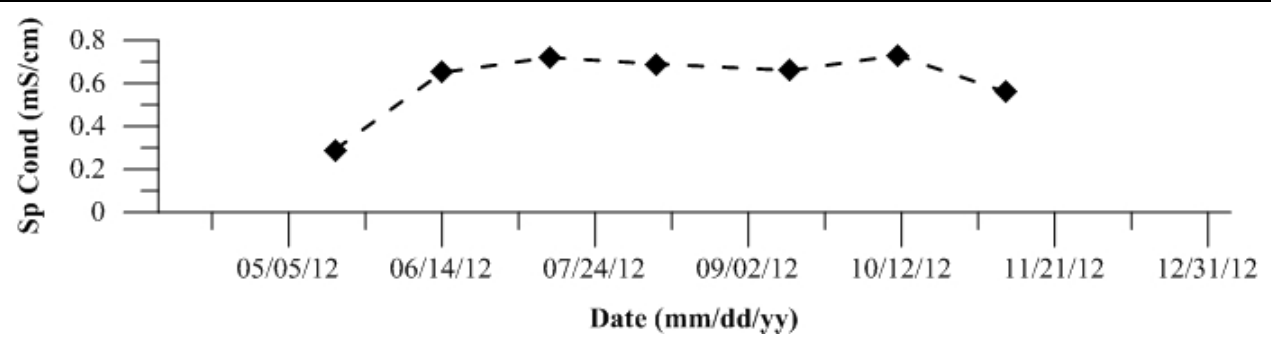


Figure 1075: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

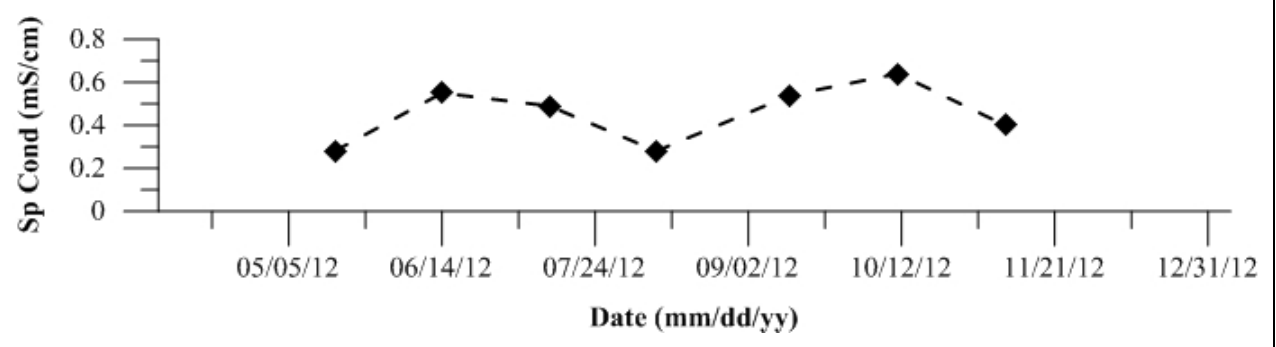
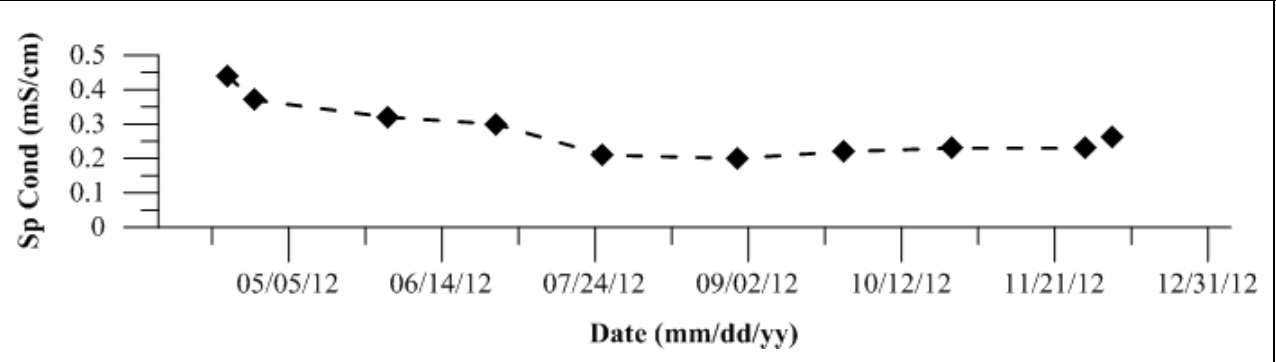


Figure 1076: Grab sample specific conductance taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1077-1102: Temporal plots of Total Dissolved Solids (TDS) by Site ID

Figure 1077: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

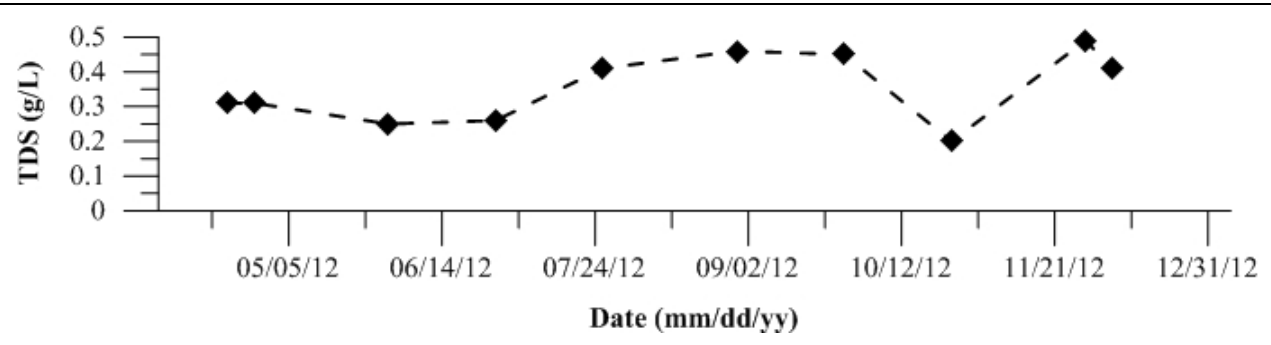


Figure 1078: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

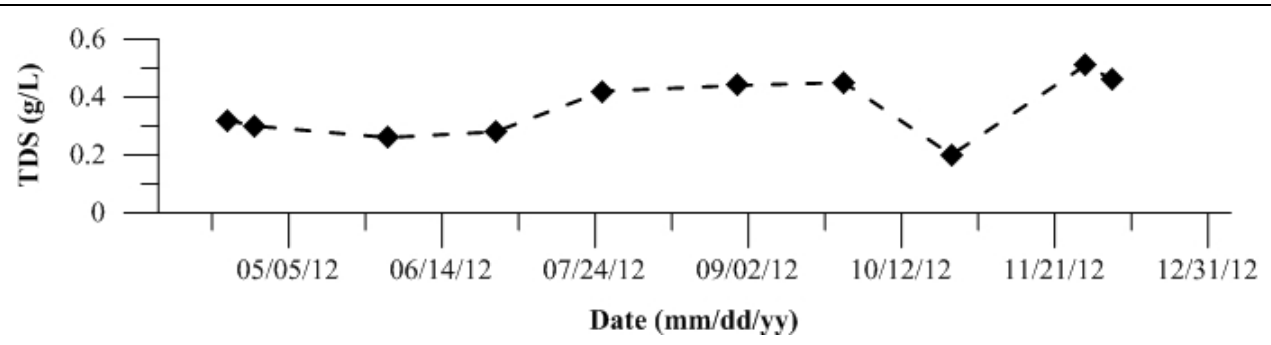


Figure 1079: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

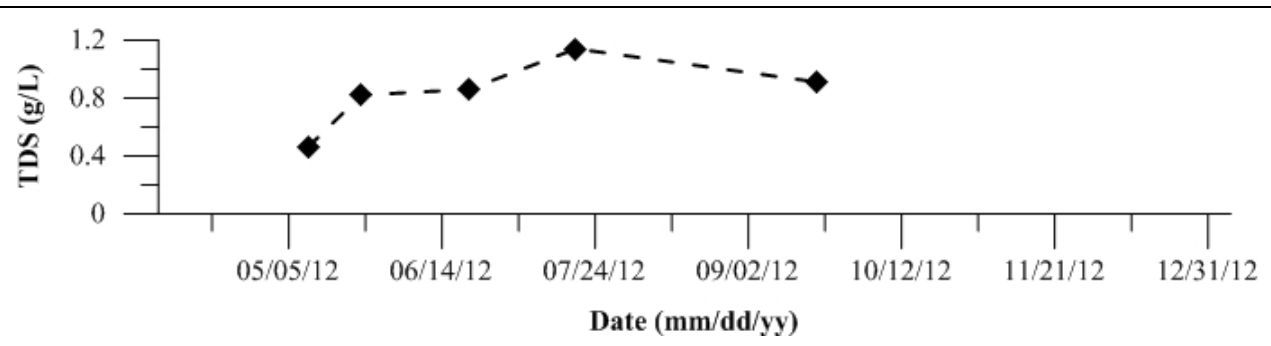


Figure 1080: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

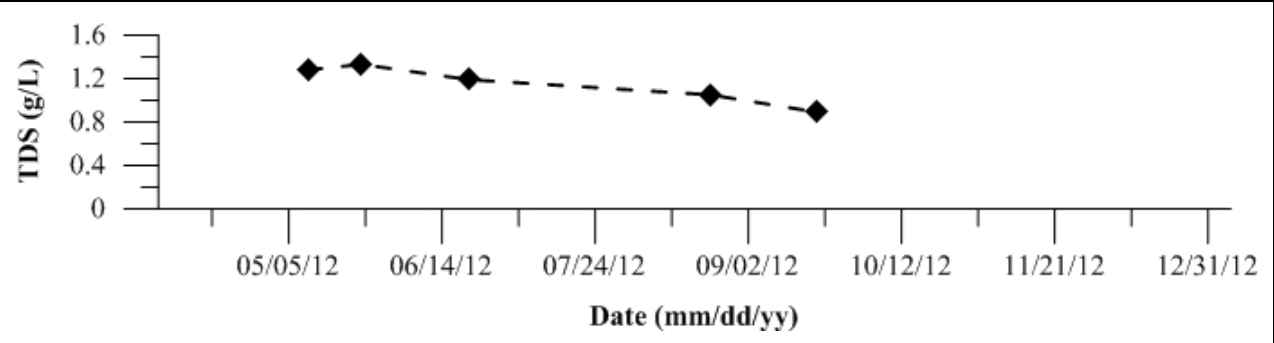


Figure 1081: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

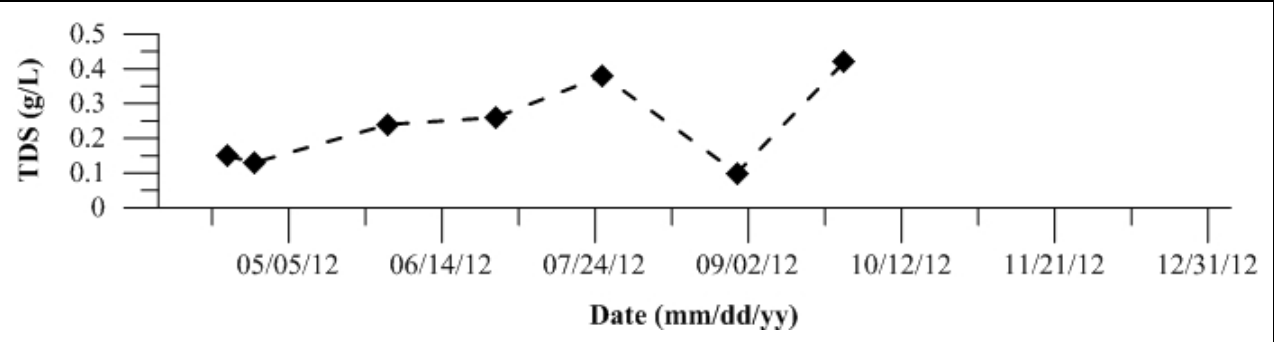


Figure 1082: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

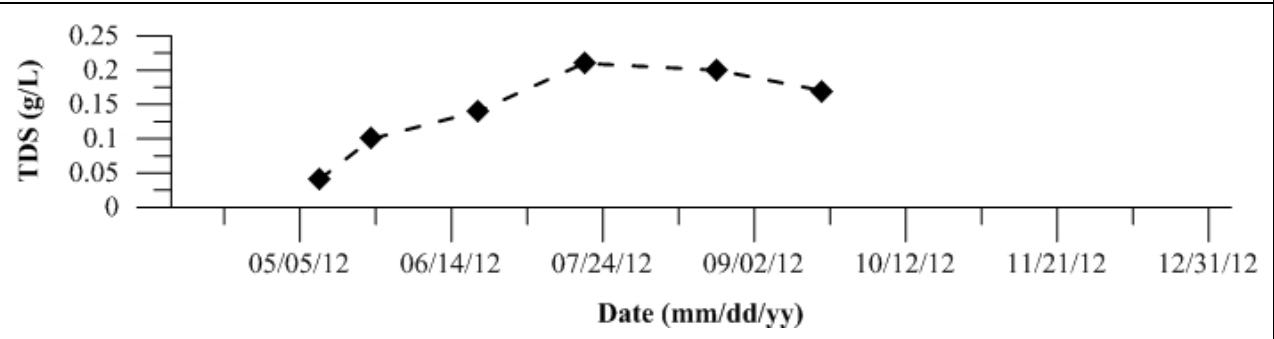


Figure 1083: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

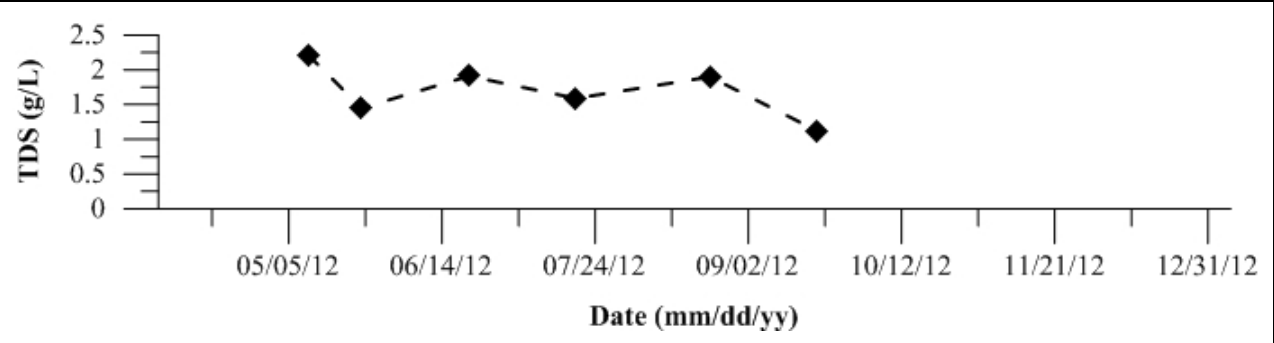


Figure 1084: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

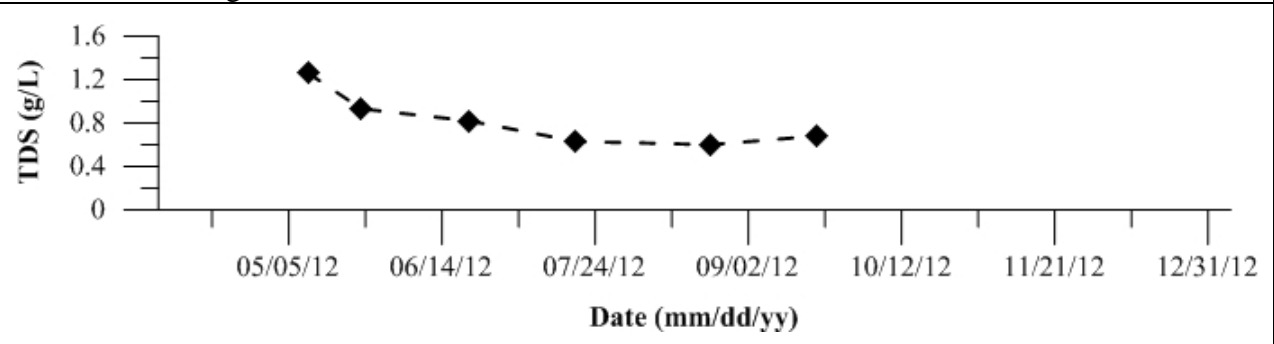


Figure 1085: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

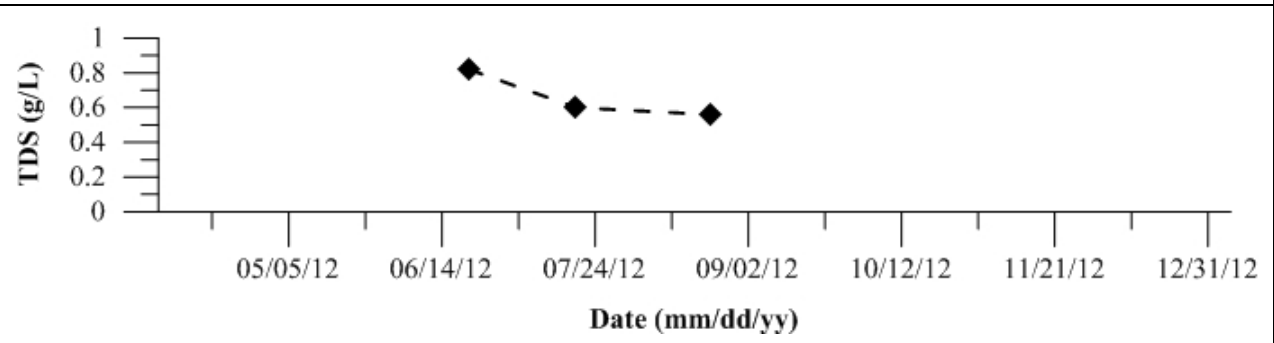


Figure 1086: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

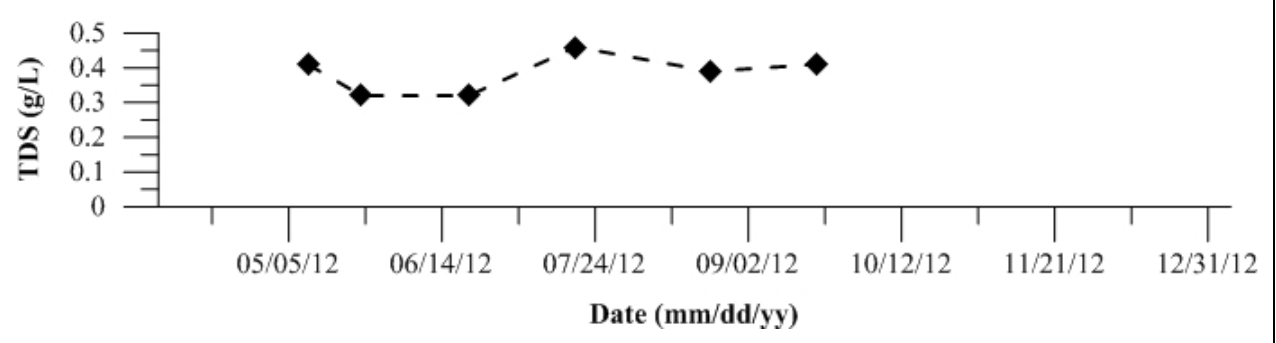


Figure 1087: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

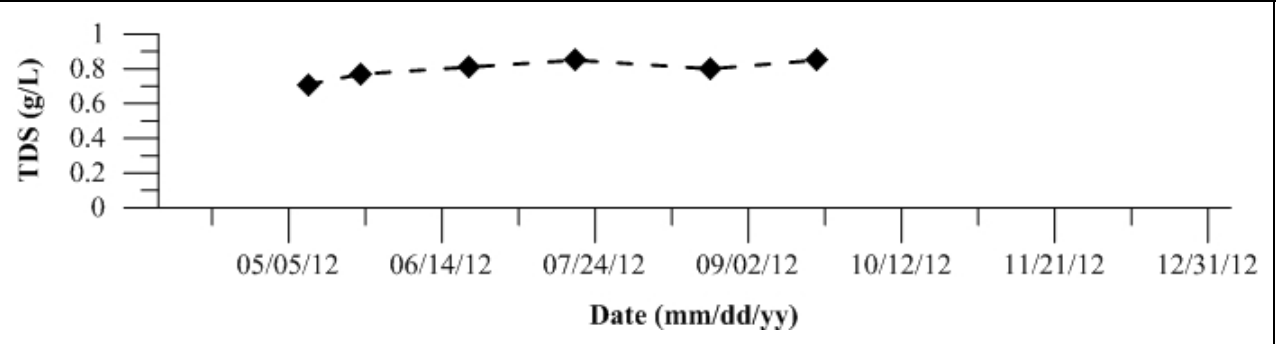


Figure 1088: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

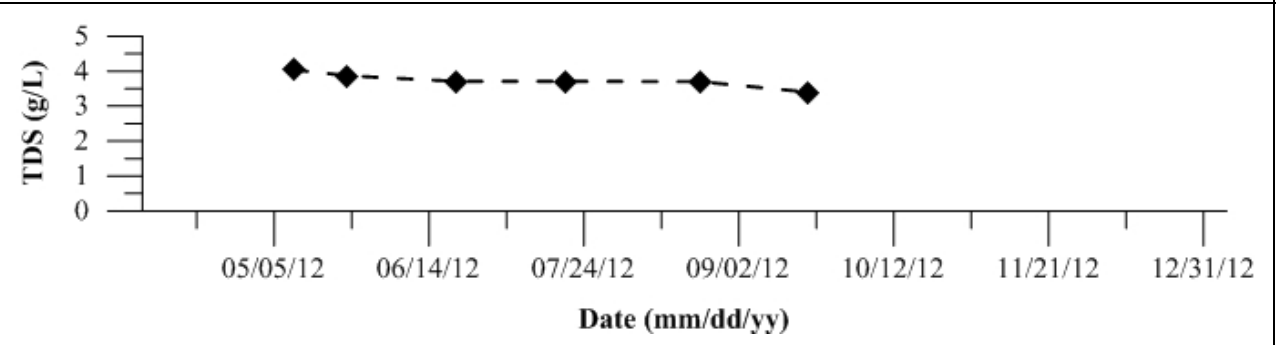


Figure 1089: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

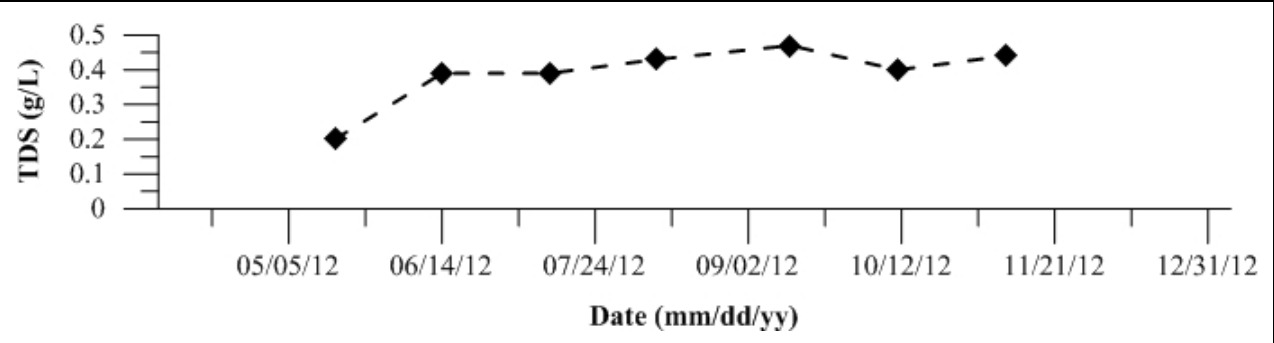


Figure 1090: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

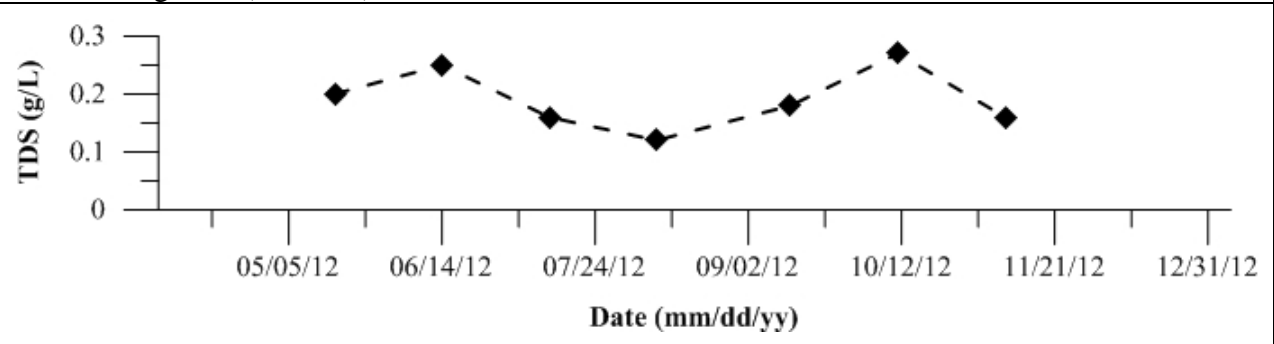


Figure 1091: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

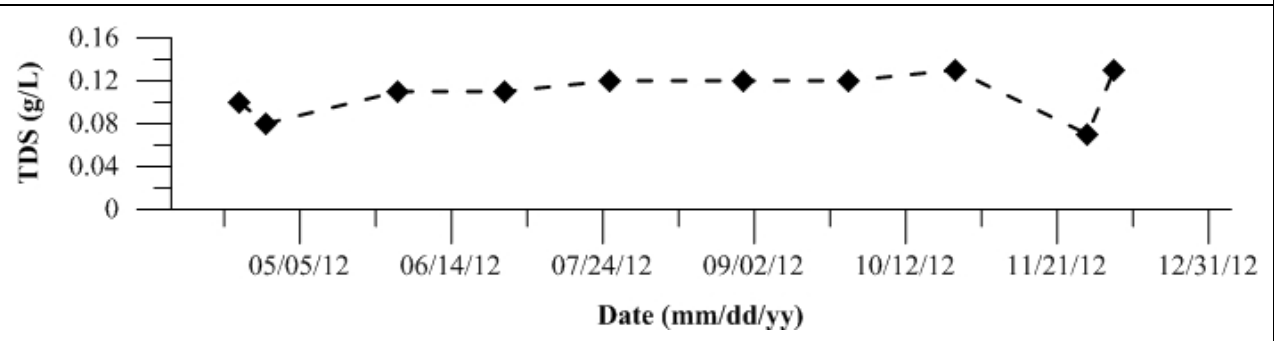


Figure 1092: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

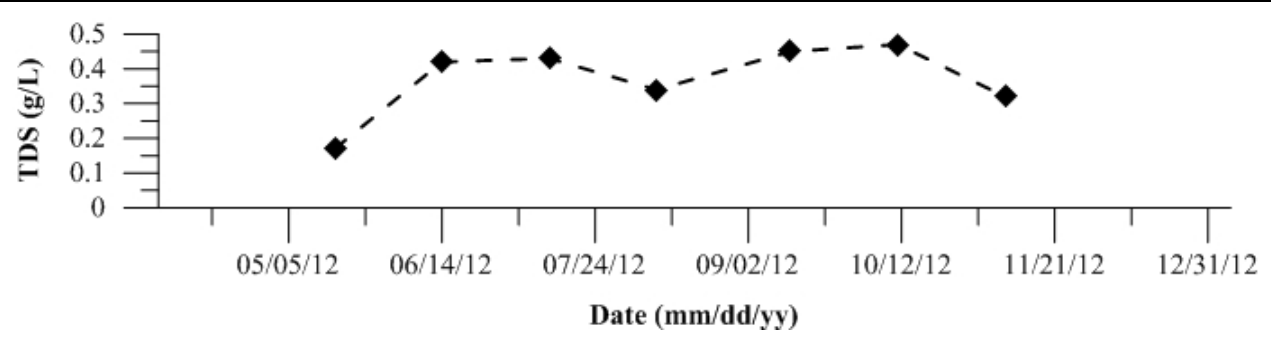


Figure 1093: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

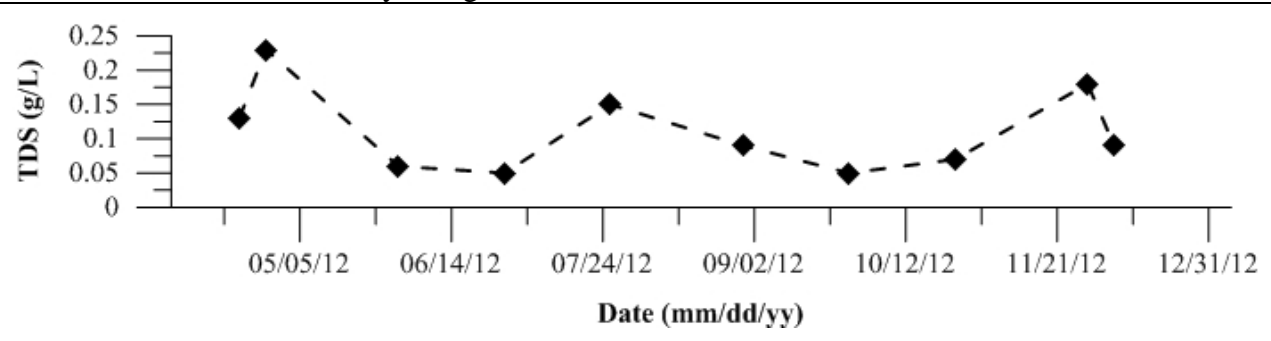


Figure 1094: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

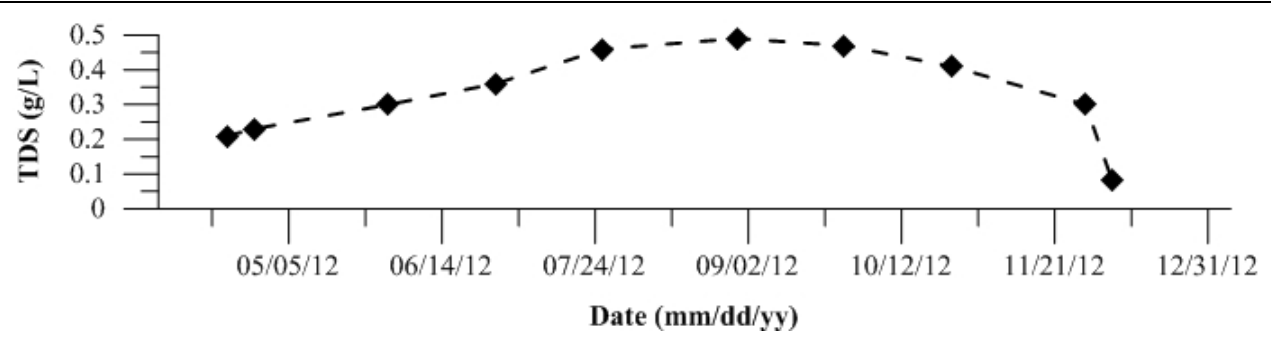


Figure 1095: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

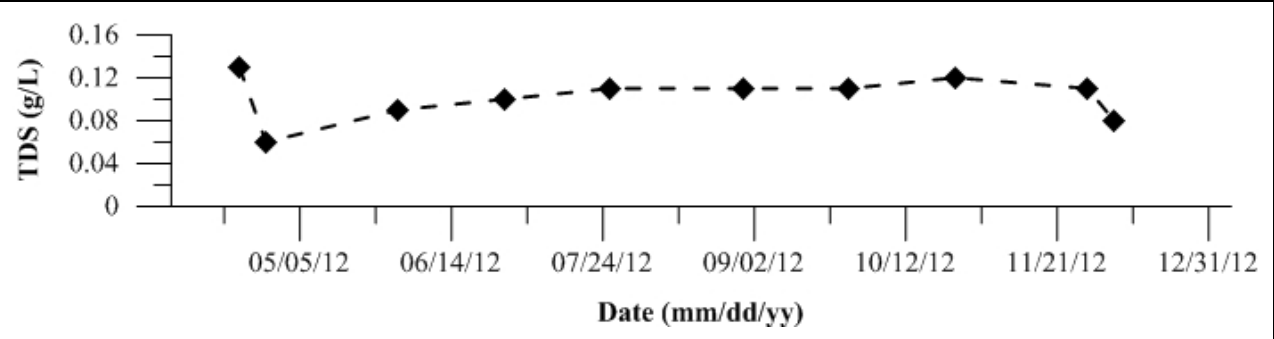


Figure 1096: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

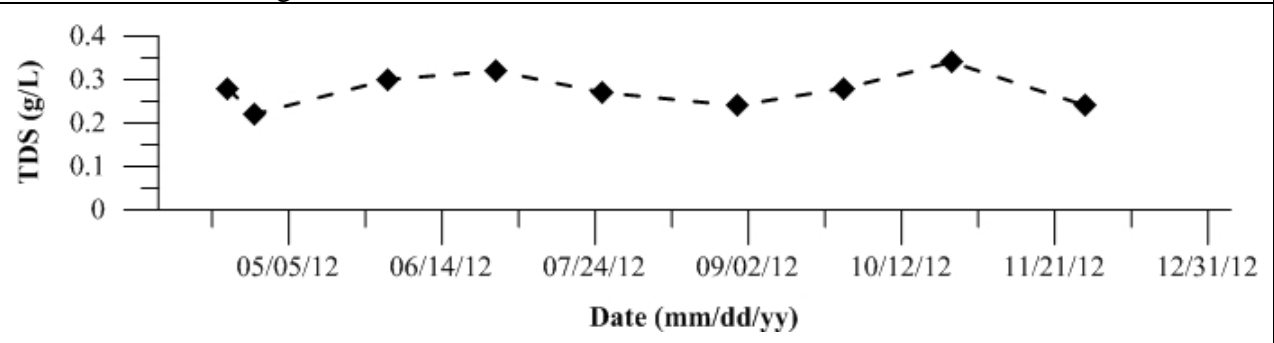


Figure 1097: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

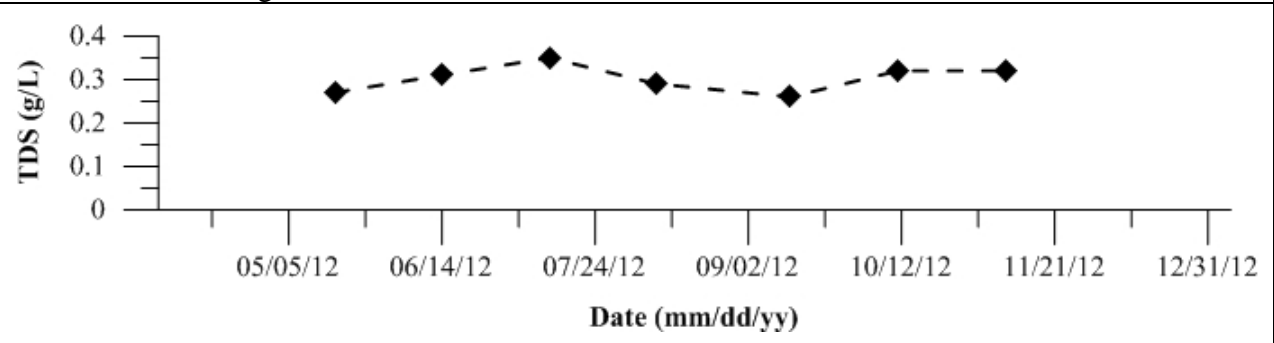


Figure 1098: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

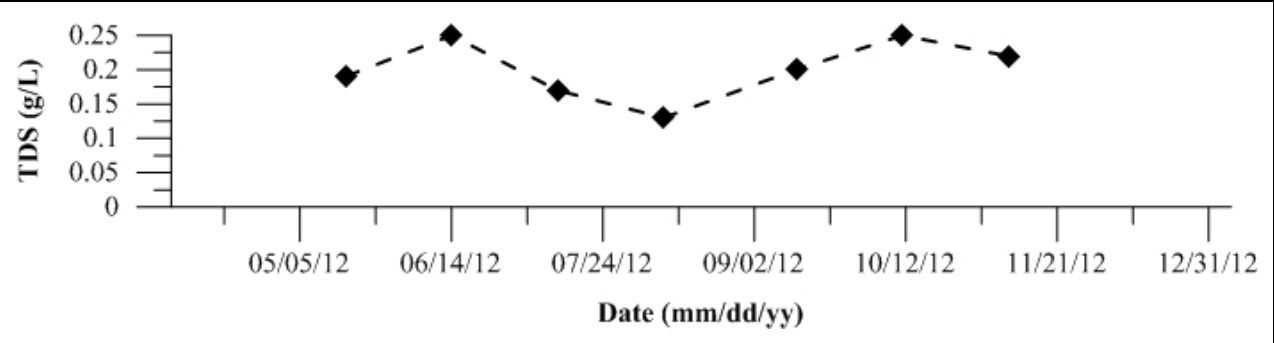


Figure 1099: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

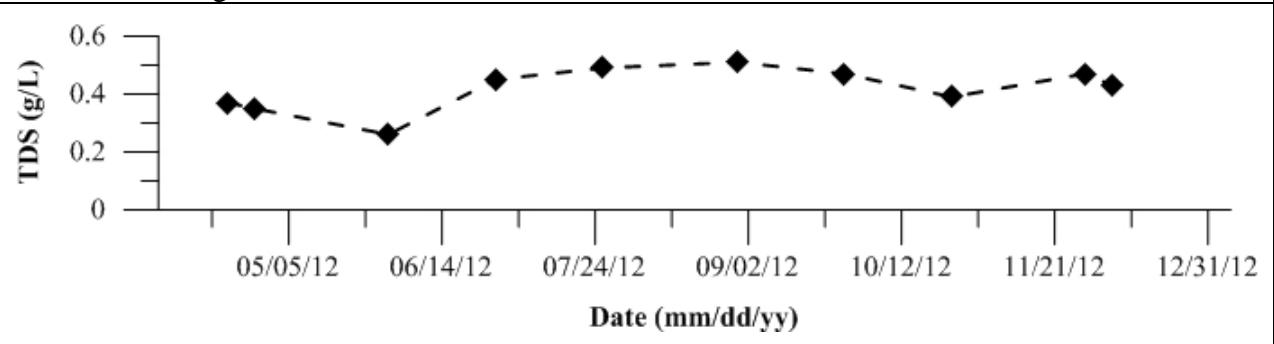


Figure 1100: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

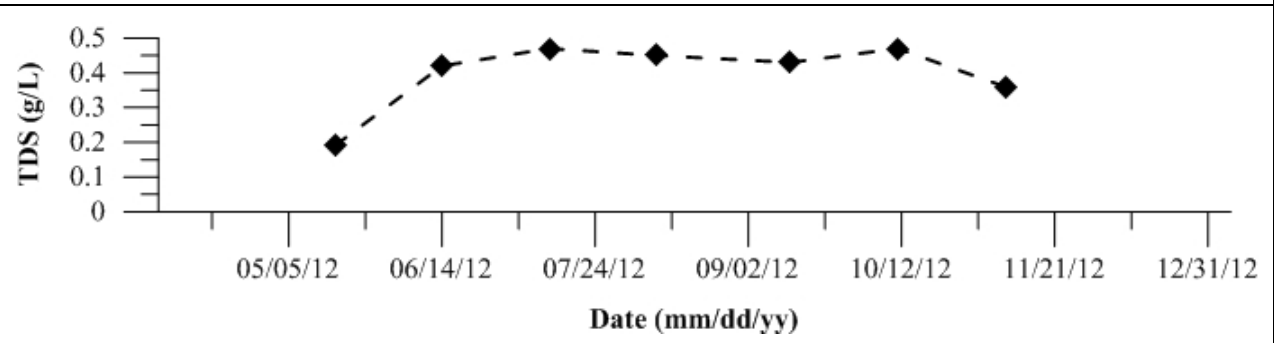


Figure 1101: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

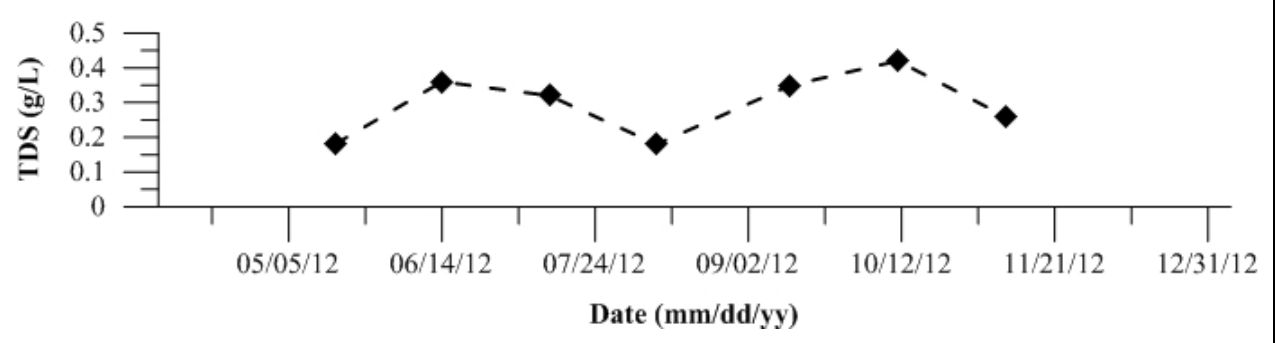
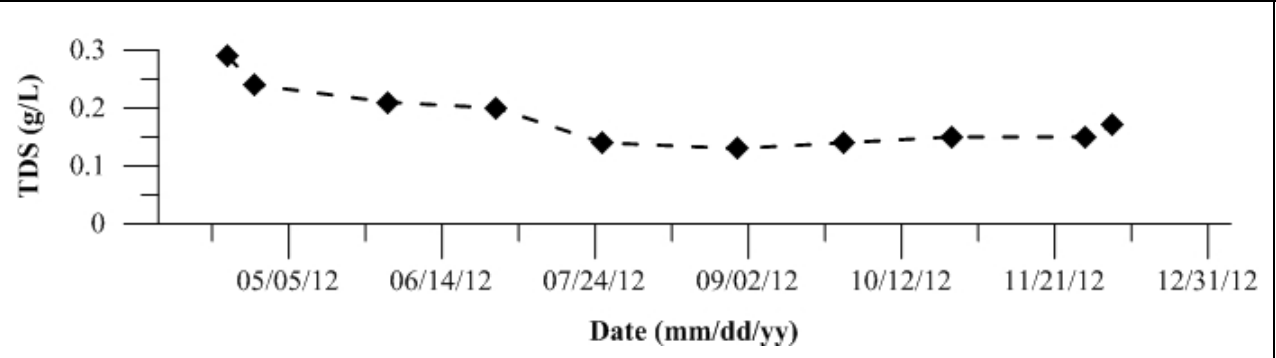


Figure 1102: Grab sample total dissolved solids (TDS) taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1103-1128: Temporal plots of Dissolved Oxygen (DO) percentage of saturation as determined by sonde measurements by Site ID

Figure 1103: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

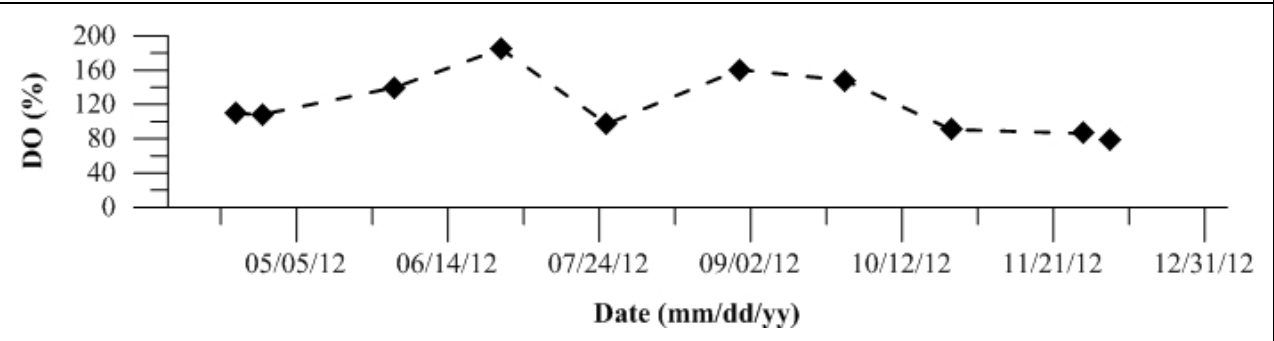


Figure 1104: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

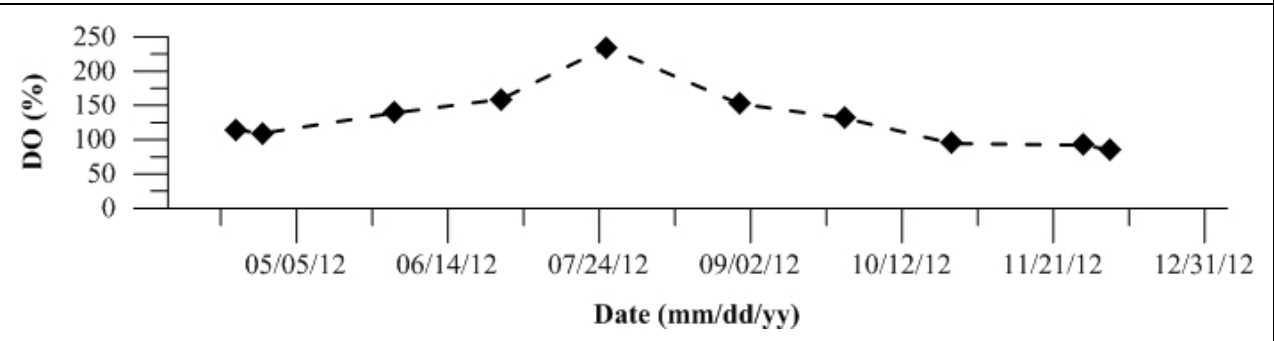


Figure 1105: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

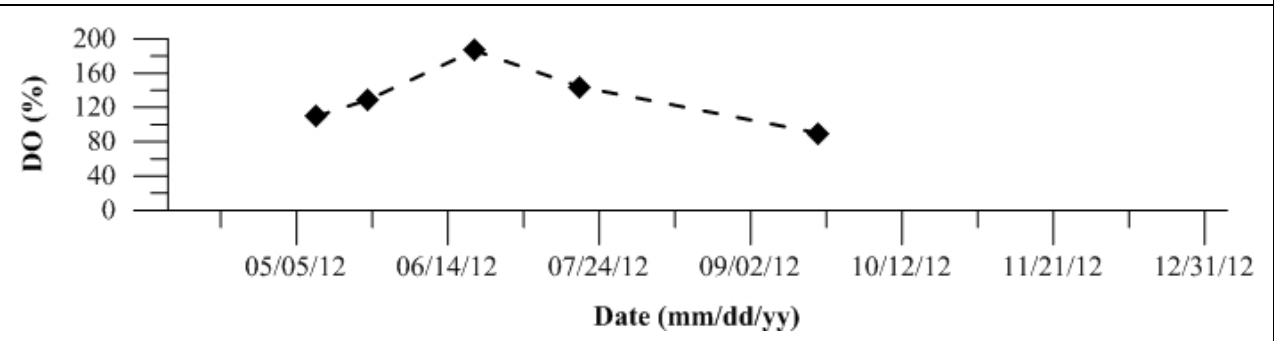


Figure 1106: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

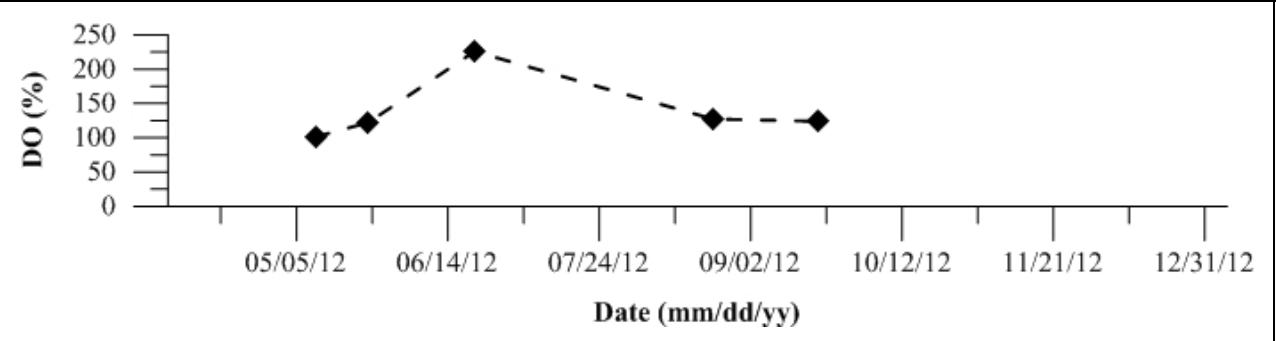


Figure 1107: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

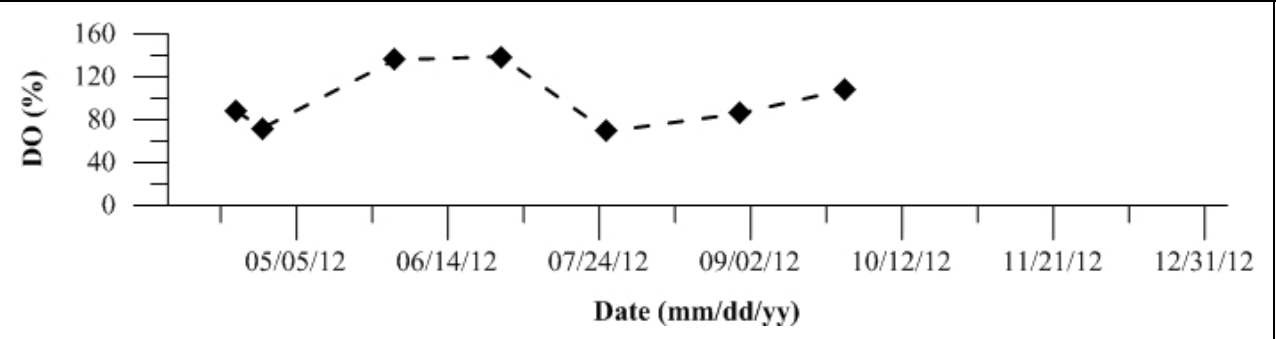


Figure 1108: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

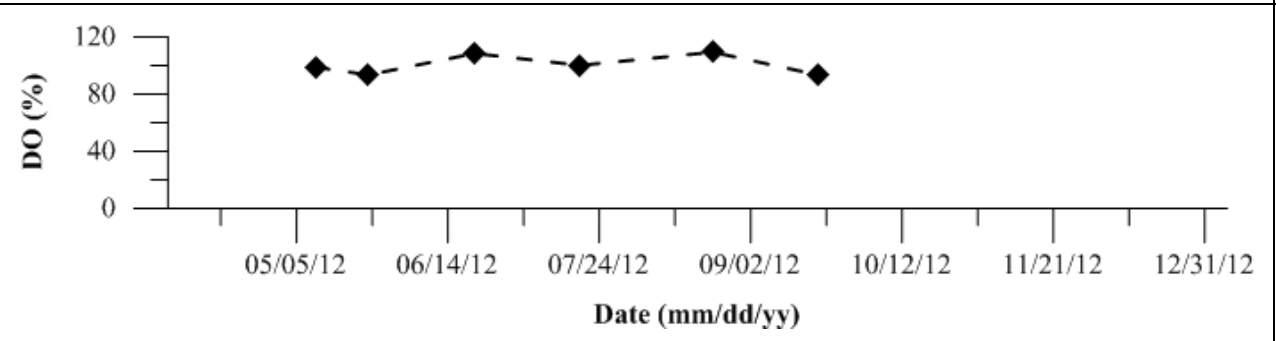


Figure 1109: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

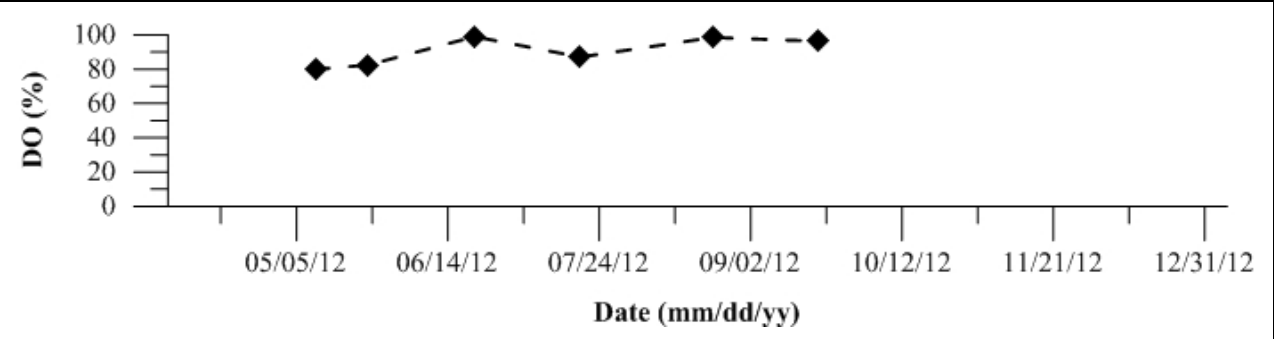


Figure 1110: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

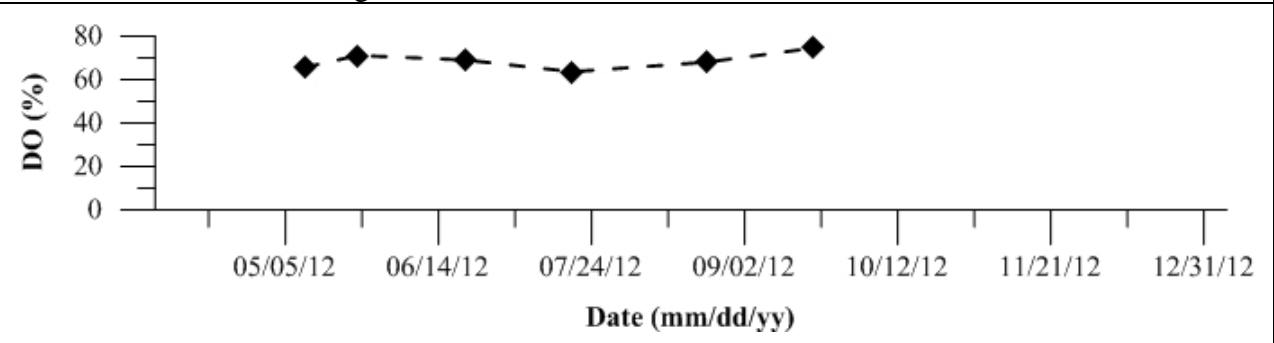


Figure 1111: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

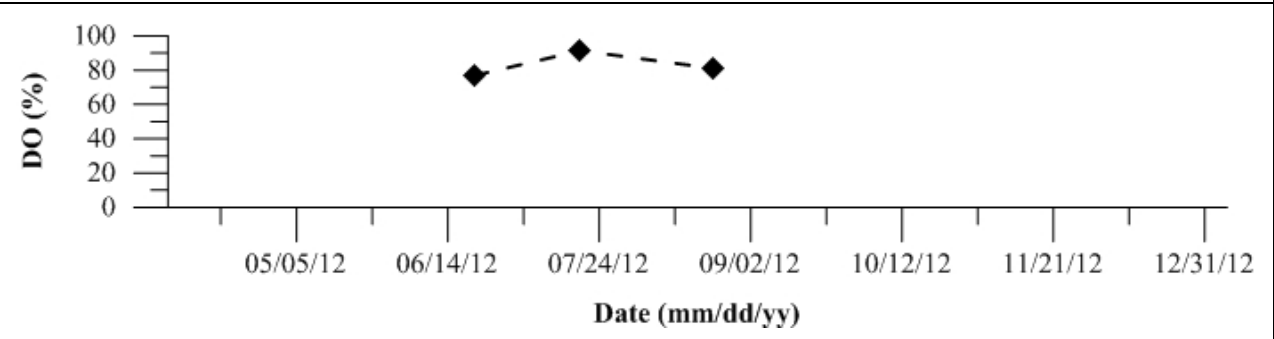


Figure 1112: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

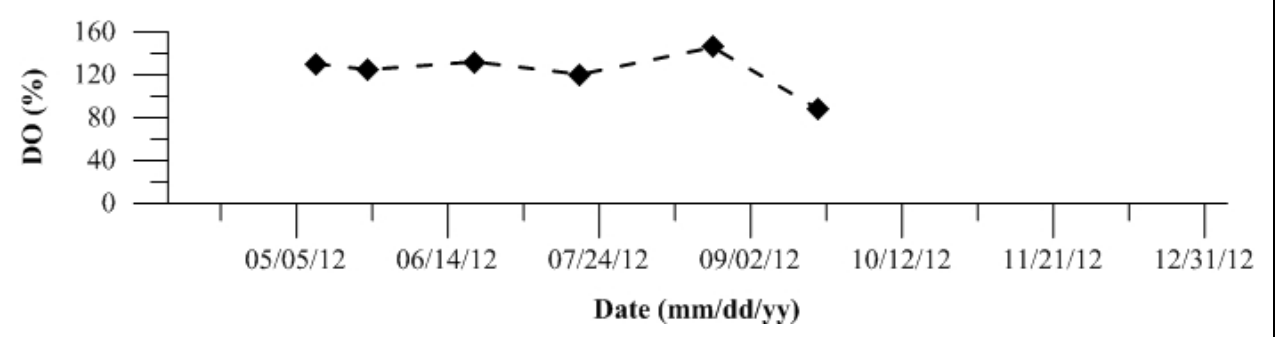


Figure 1113: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

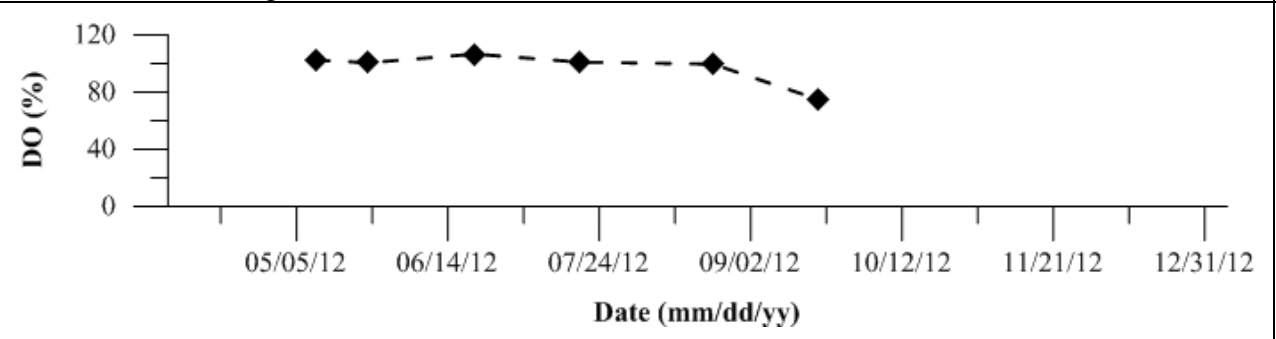


Figure 1114: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

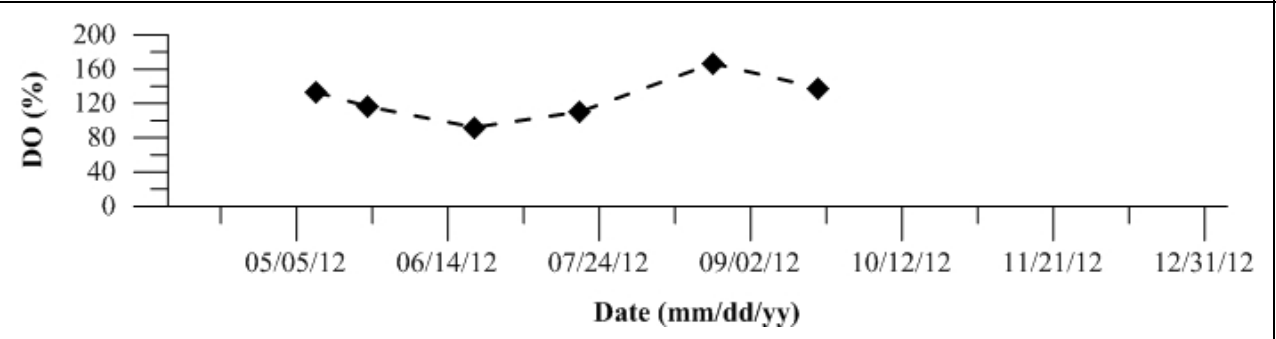


Figure 1115: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

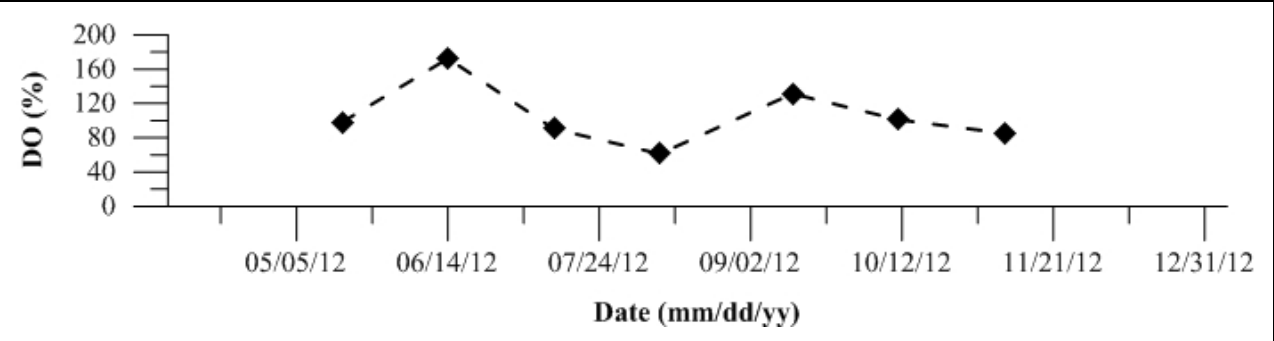


Figure 1116: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

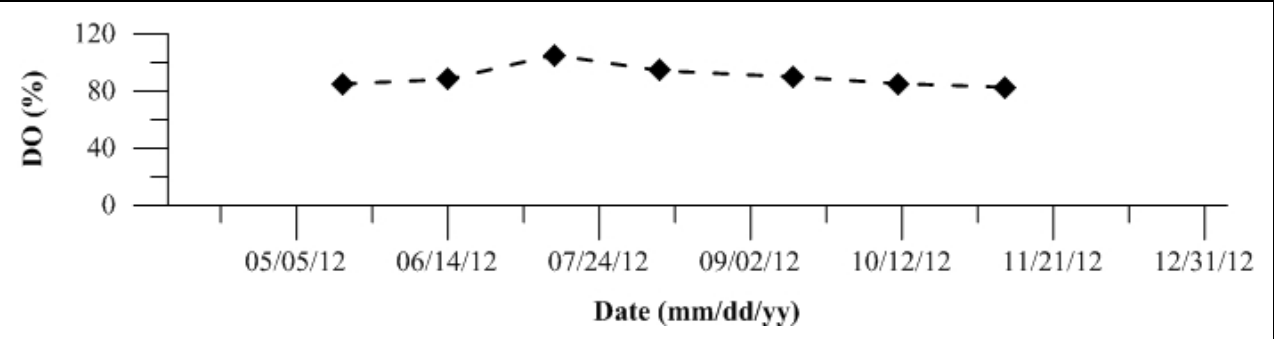


Figure 1117: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

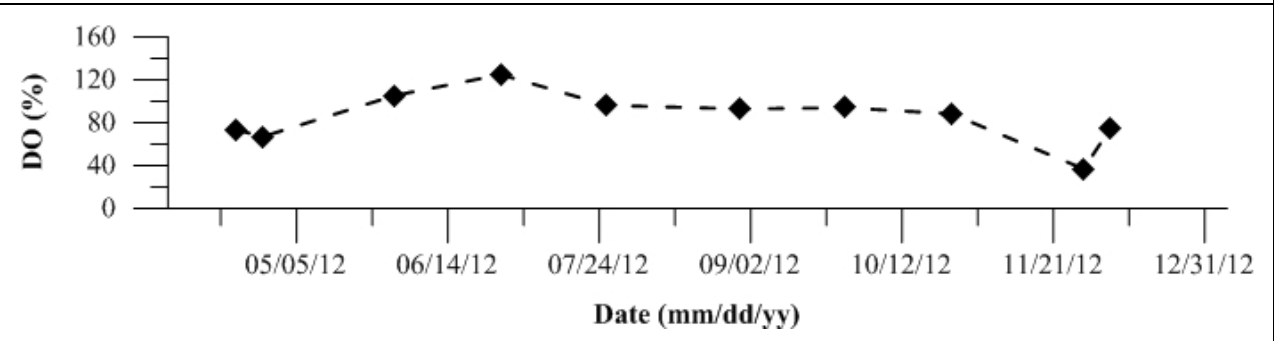


Figure 1118: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

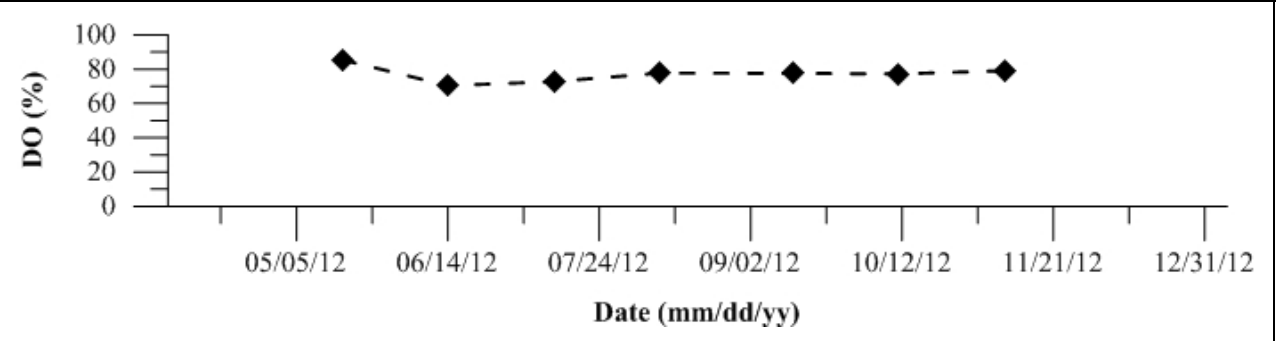


Figure 1119: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

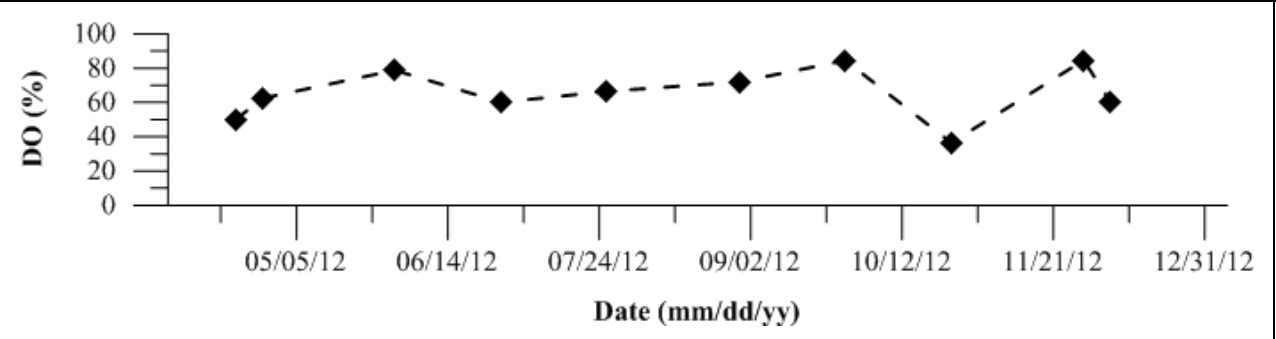


Figure 1120: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

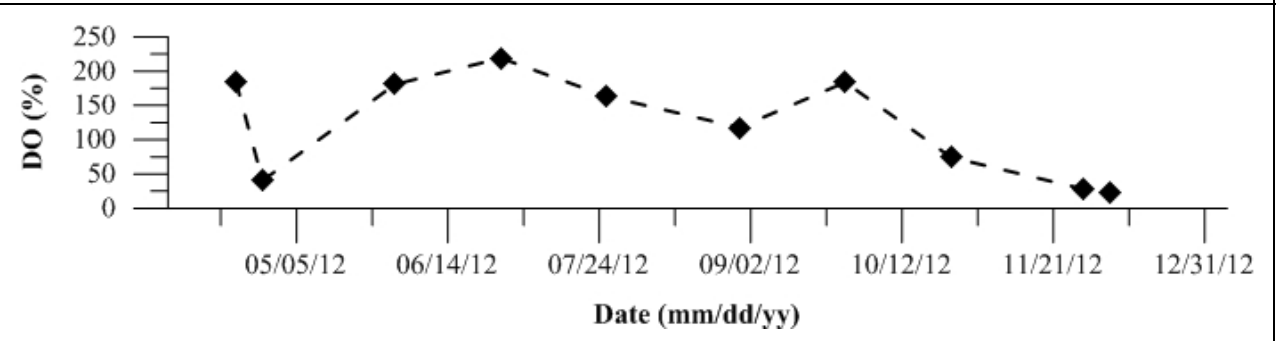


Figure 1121: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

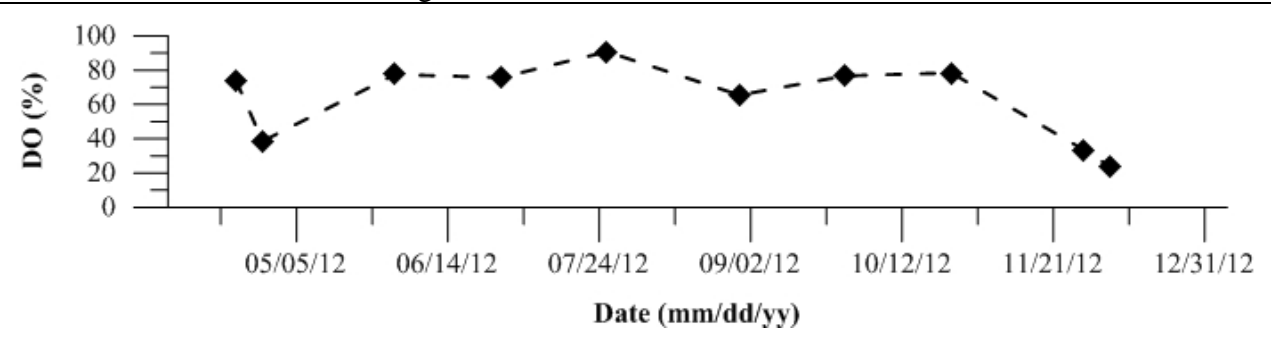


Figure 1122: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

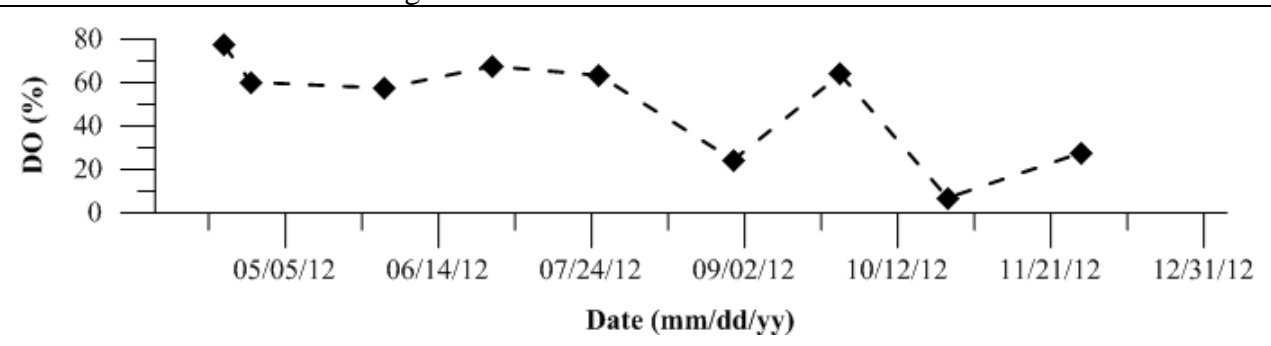


Figure 1123: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

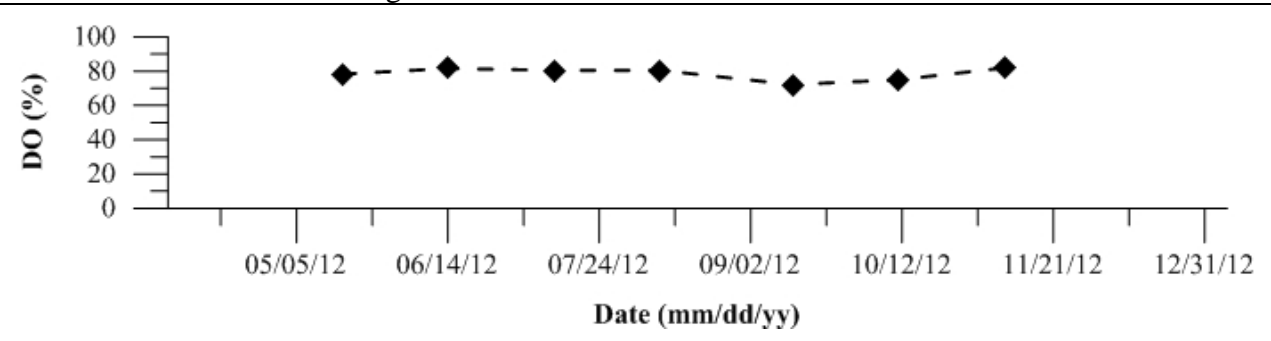


Figure 1124: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

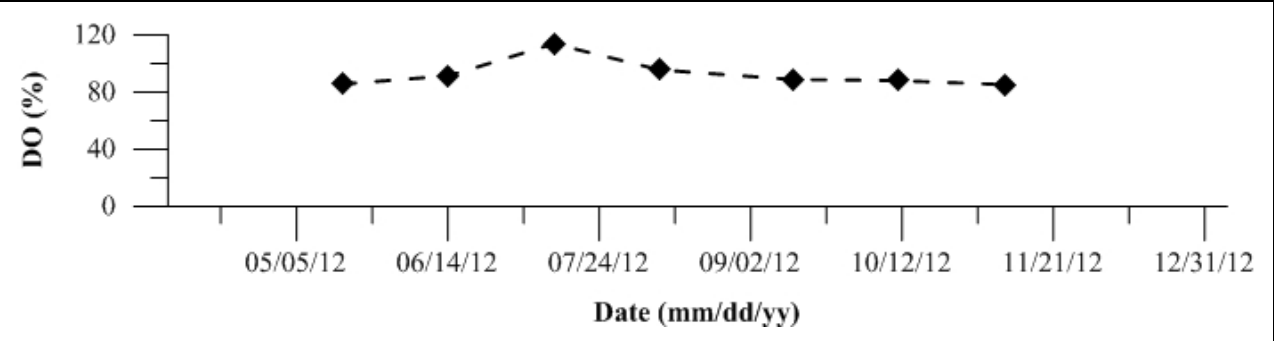


Figure 1125: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

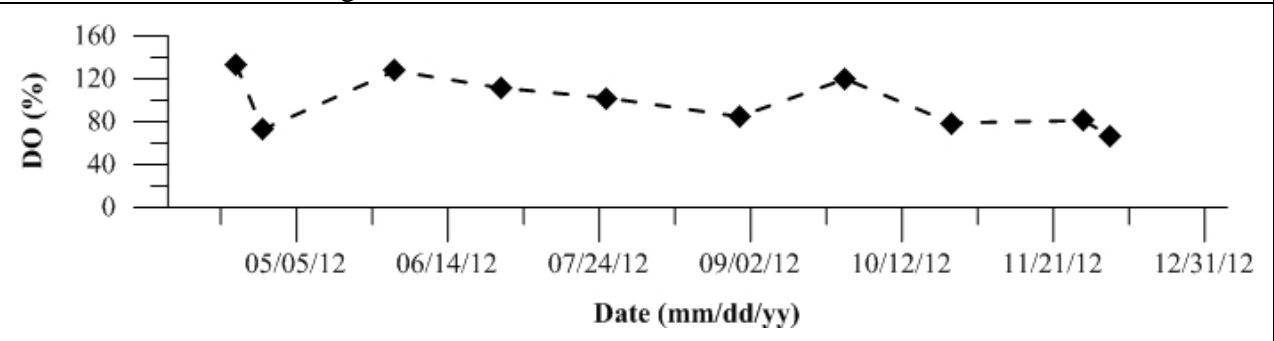


Figure 1126: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

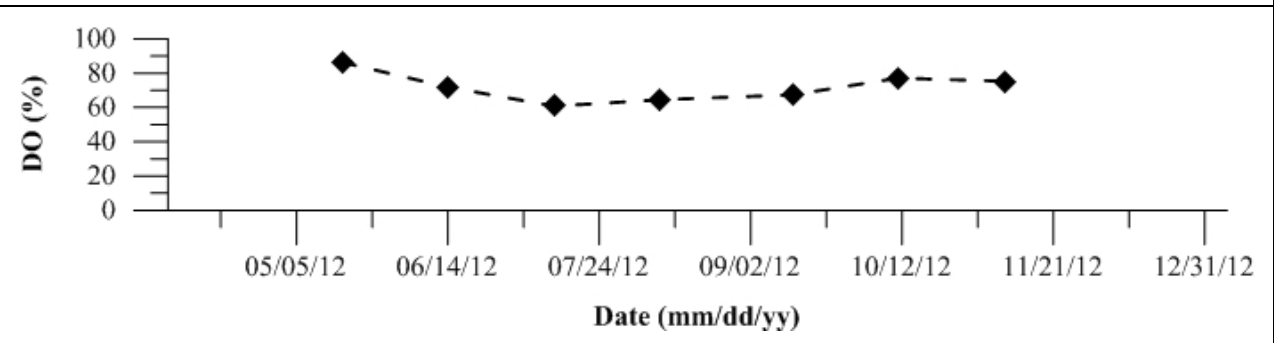


Figure 1127: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

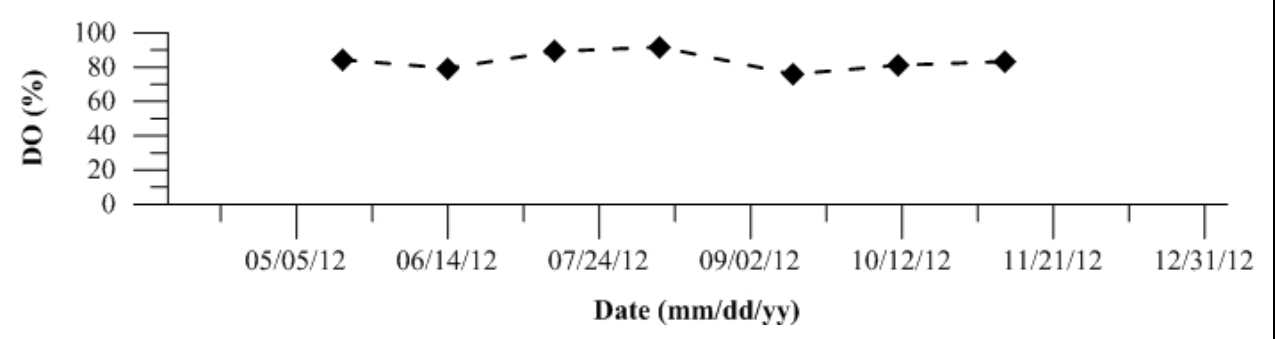
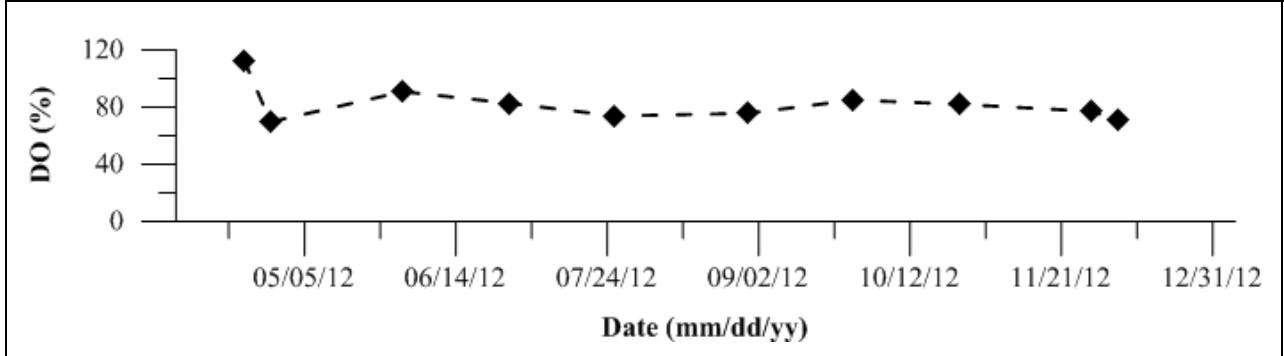


Figure 1128: Grab sample dissolved oxygen (DO) percentage taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1129-1154: Temporal plots of Dissolved Oxygen (DO) concentration as determined by sonde measurements by Site ID

Figure 1129: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

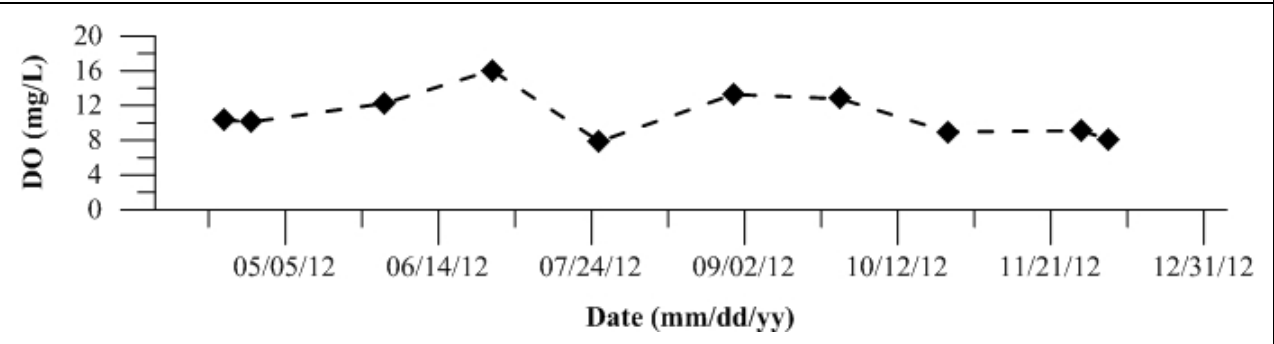


Figure 1130: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

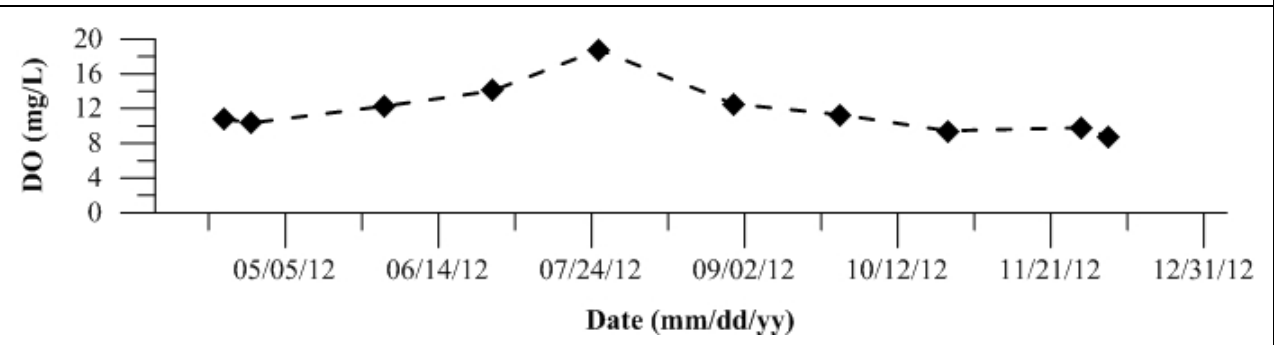


Figure 1131: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

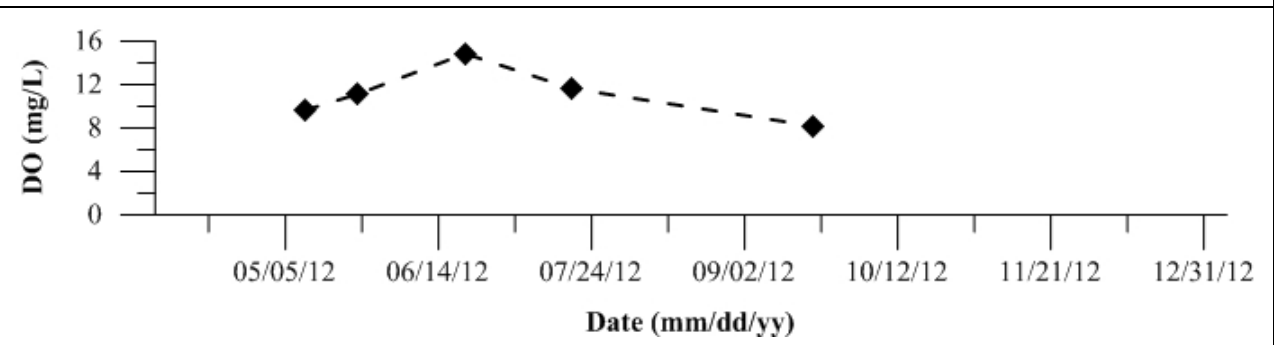


Figure 1132: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

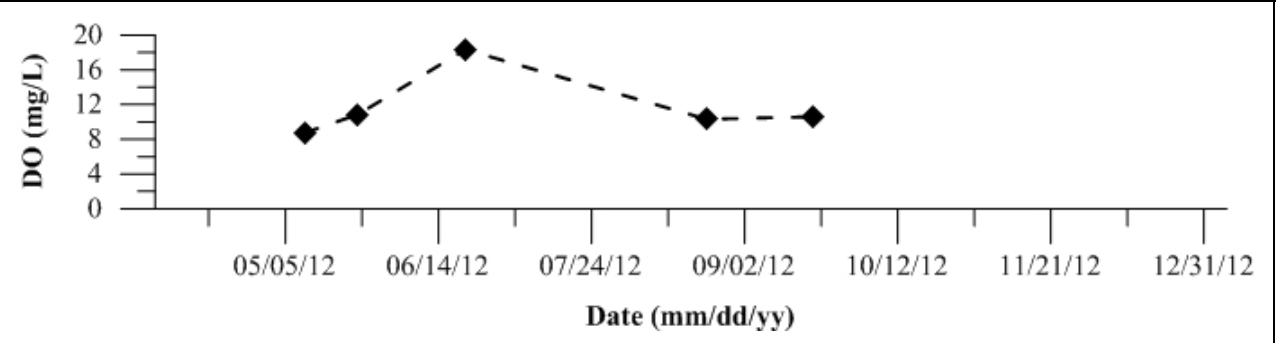


Figure 1133: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

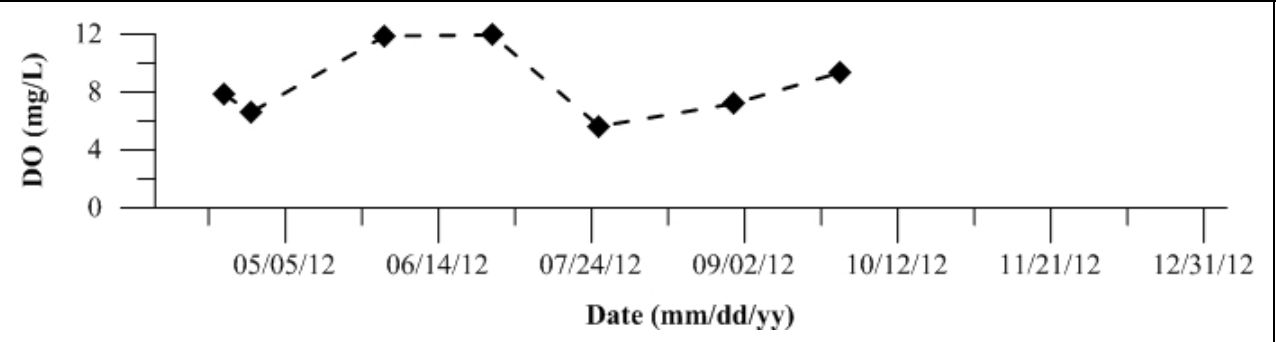


Figure 1134: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

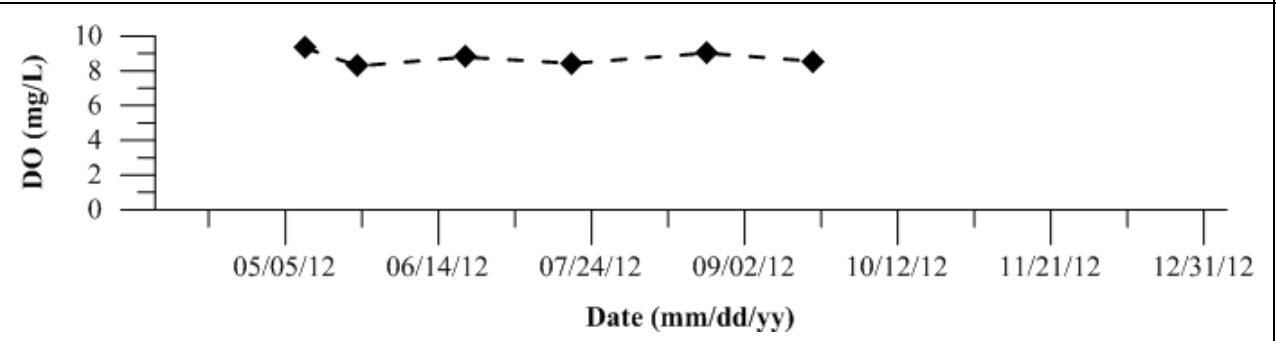


Figure 1135: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

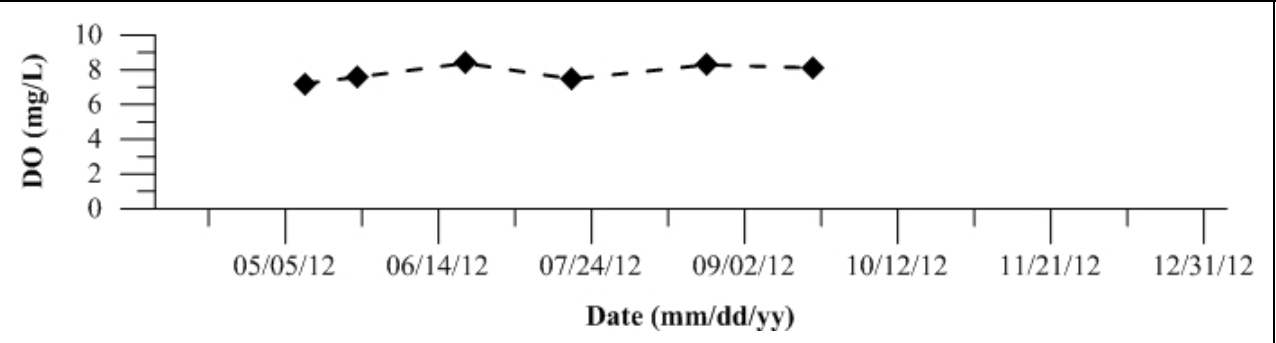


Figure 1136: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

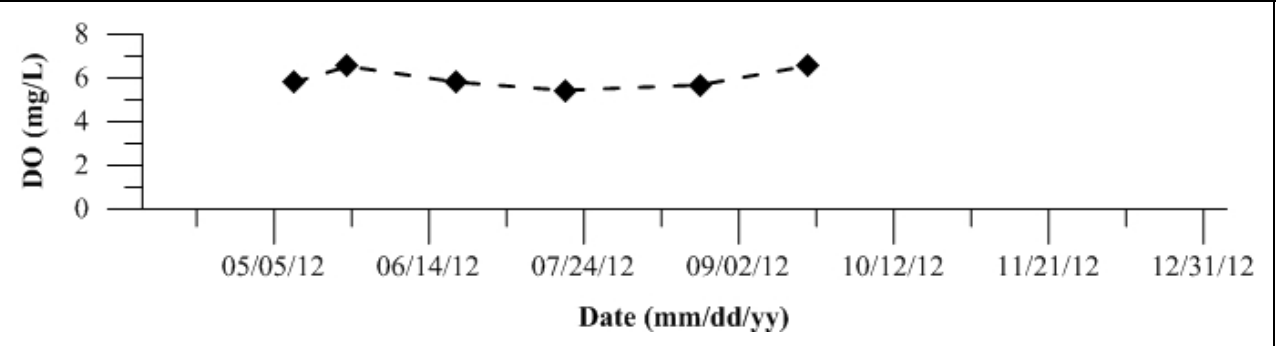


Figure 1137: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

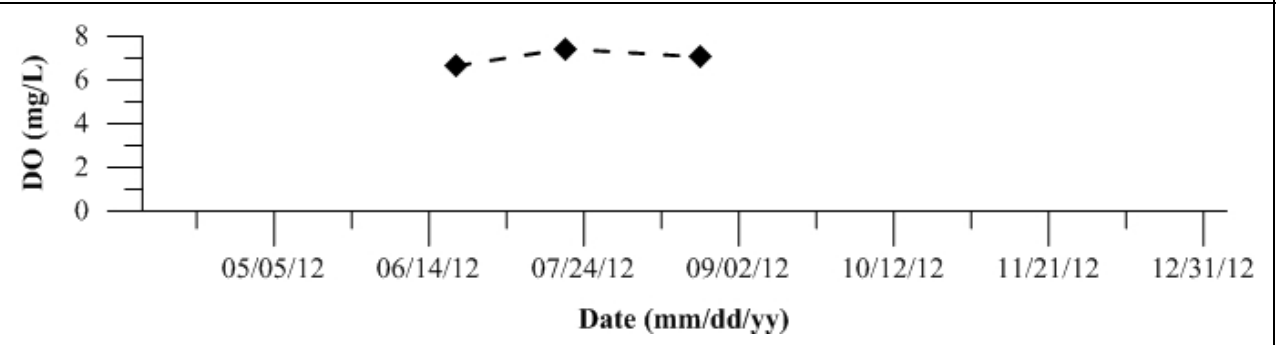


Figure 1138: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

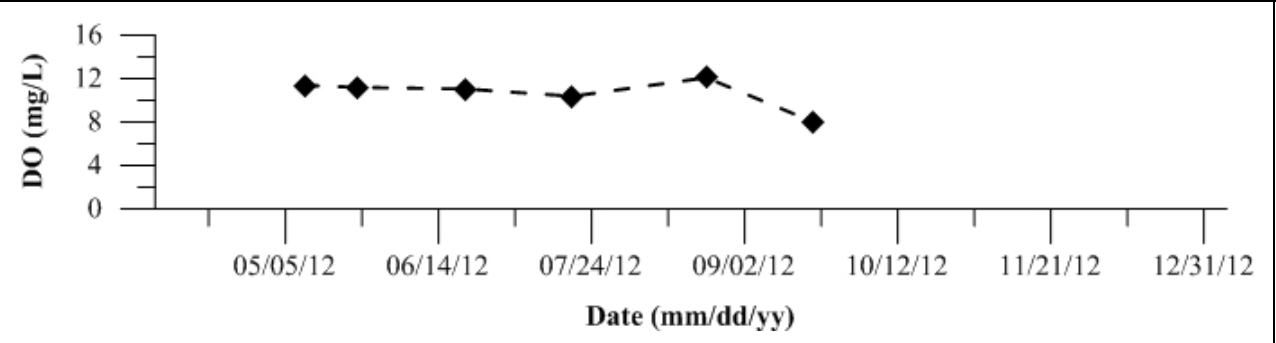


Figure 1139: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

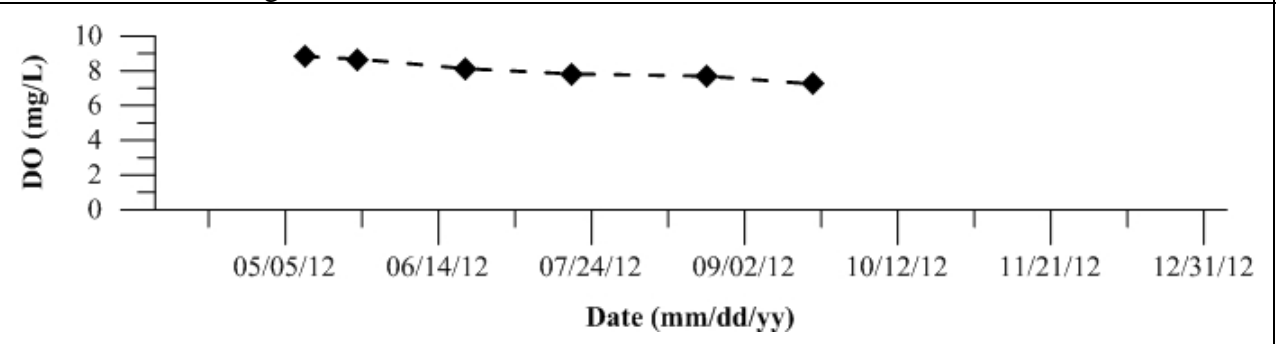


Figure 1140: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

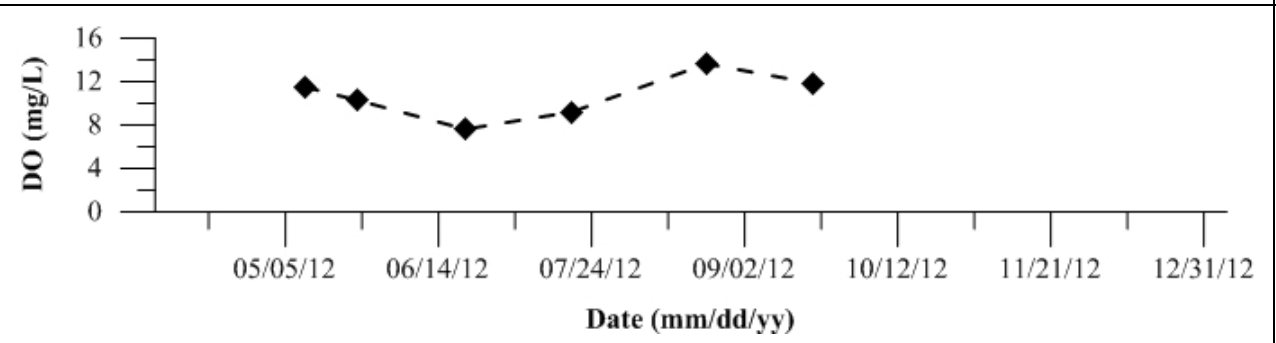


Figure 1141: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

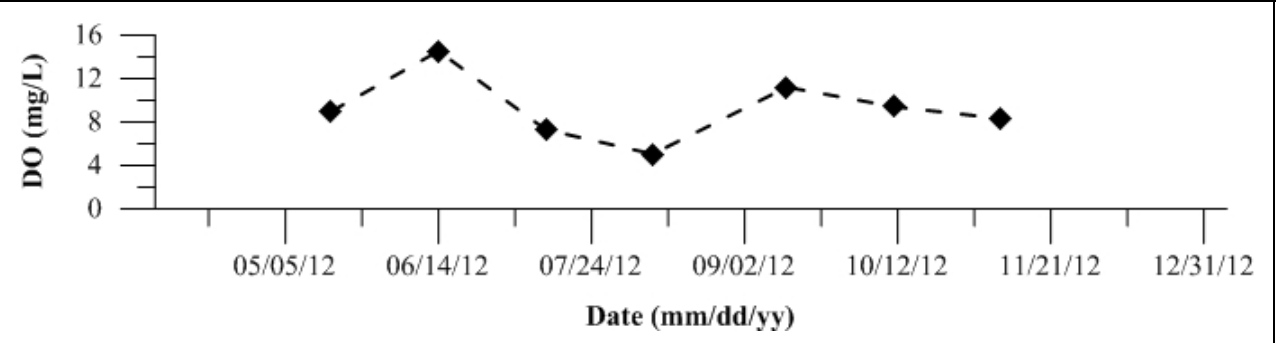


Figure 1142: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

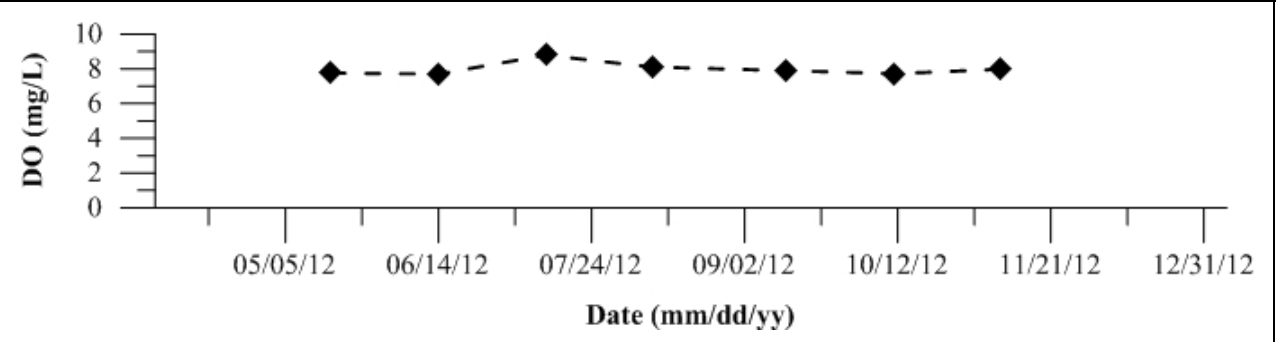


Figure 1143: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

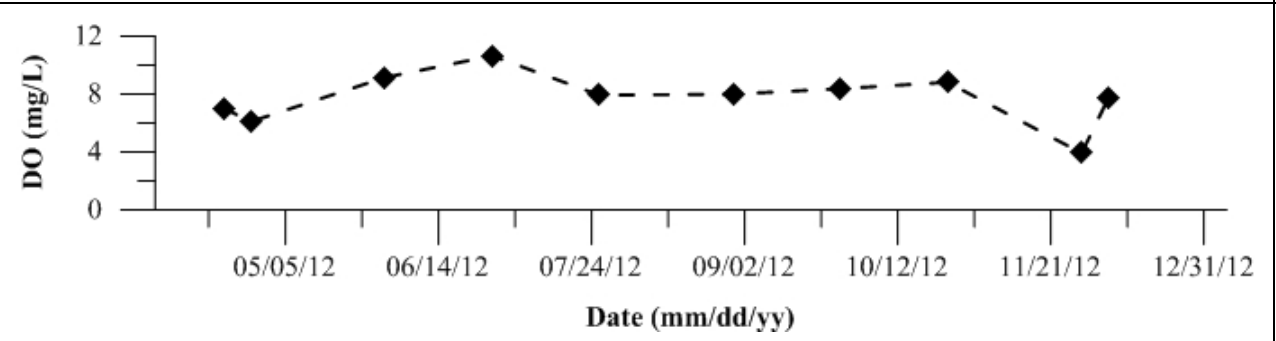


Figure 1144: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012. Data collected in 2012.

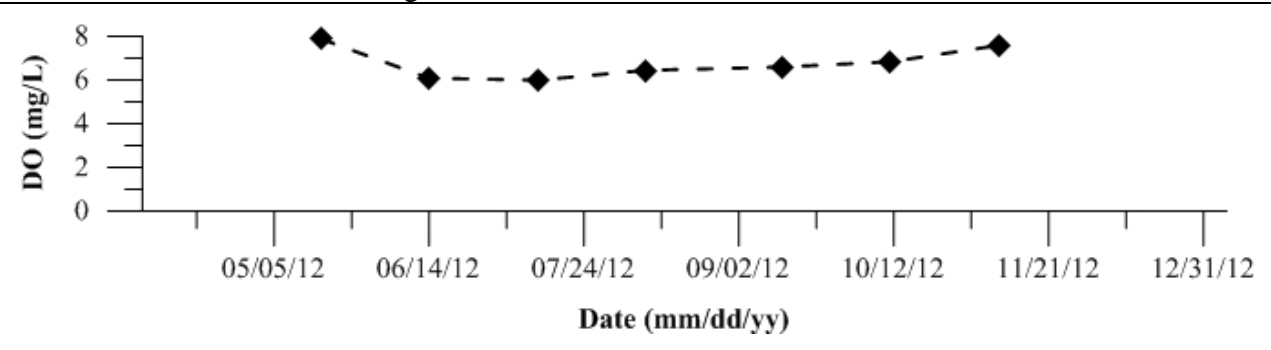


Figure 1145: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

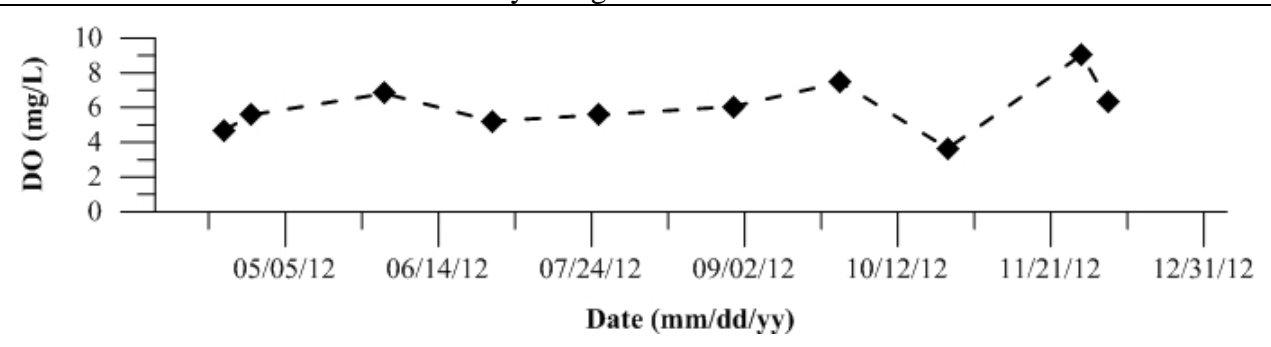


Figure 1146: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

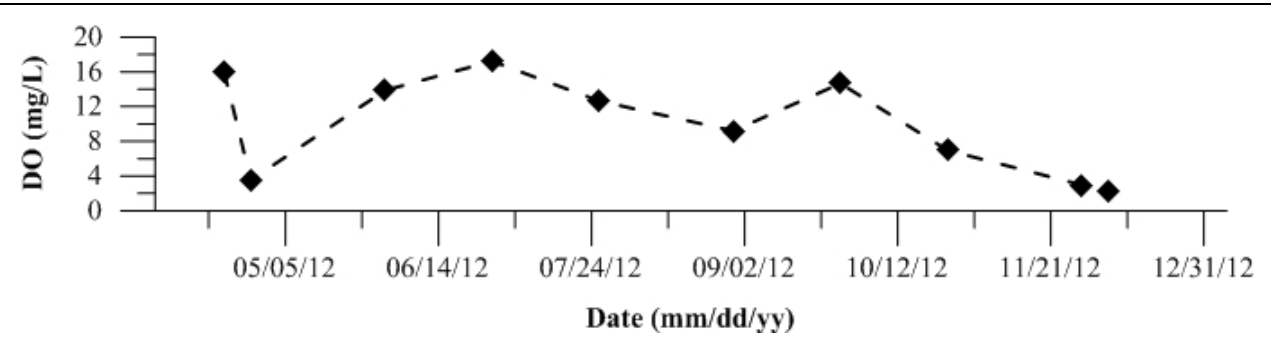


Figure 1147: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

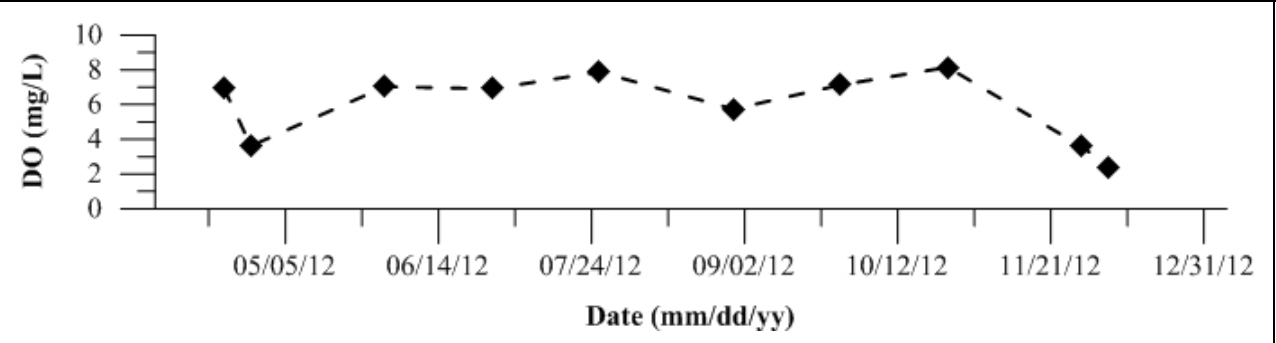


Figure 1148: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

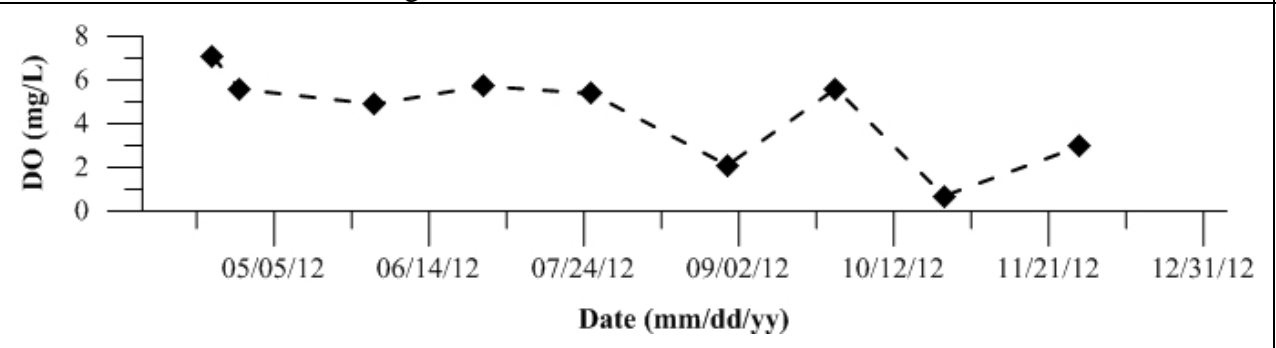


Figure 1149: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

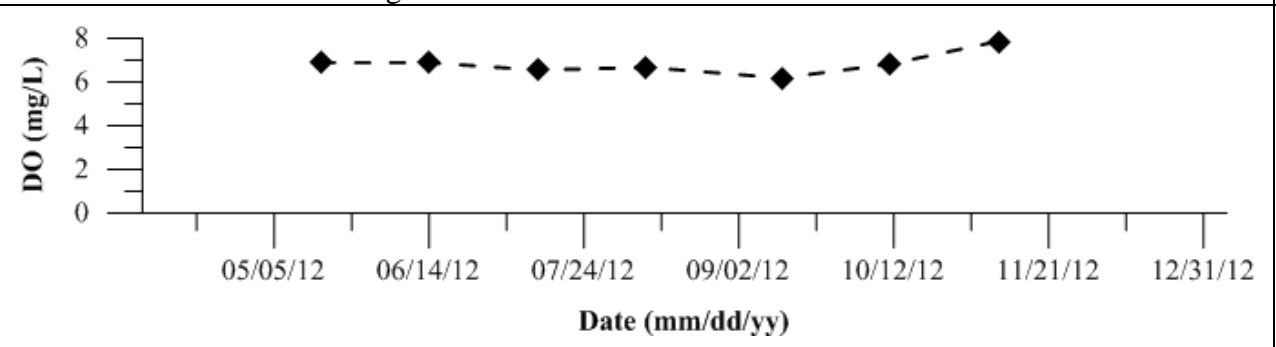


Figure 1150: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

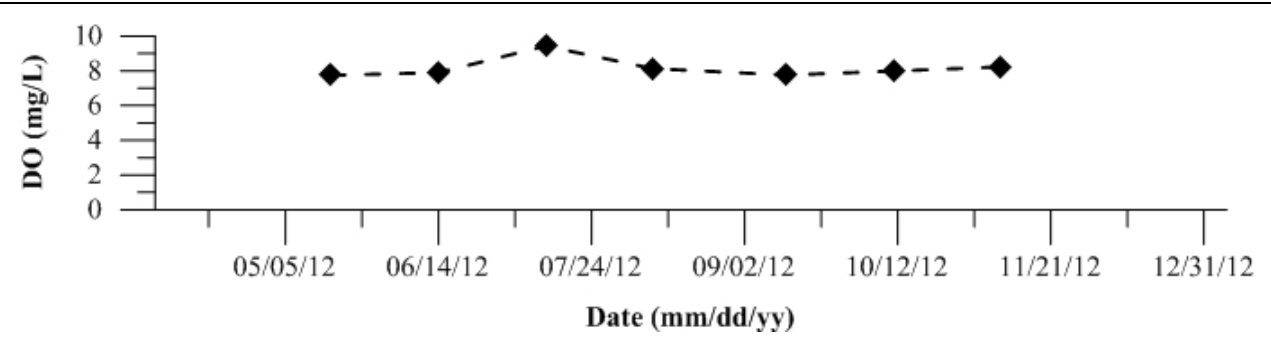


Figure 1151: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

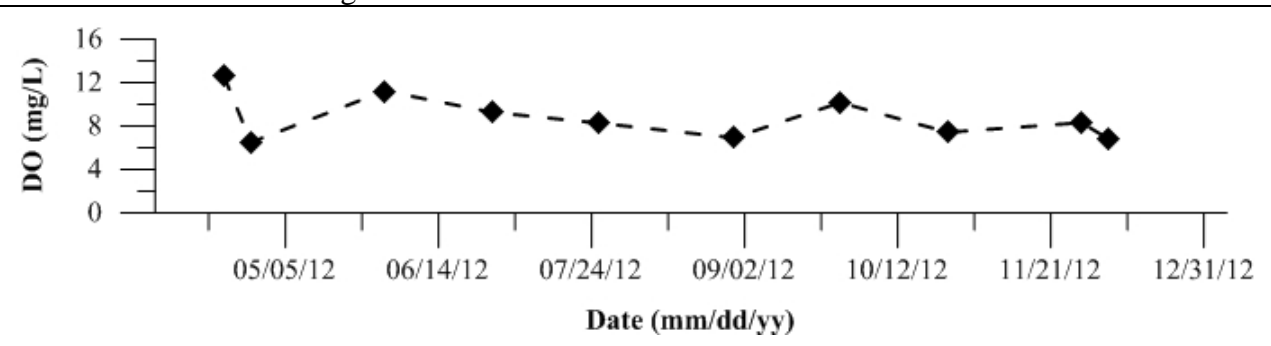


Figure 1152: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

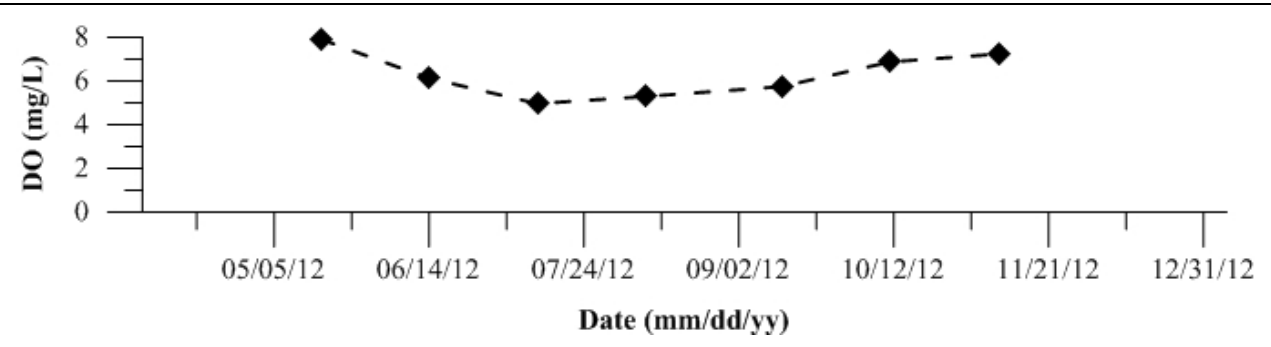


Figure 1153: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

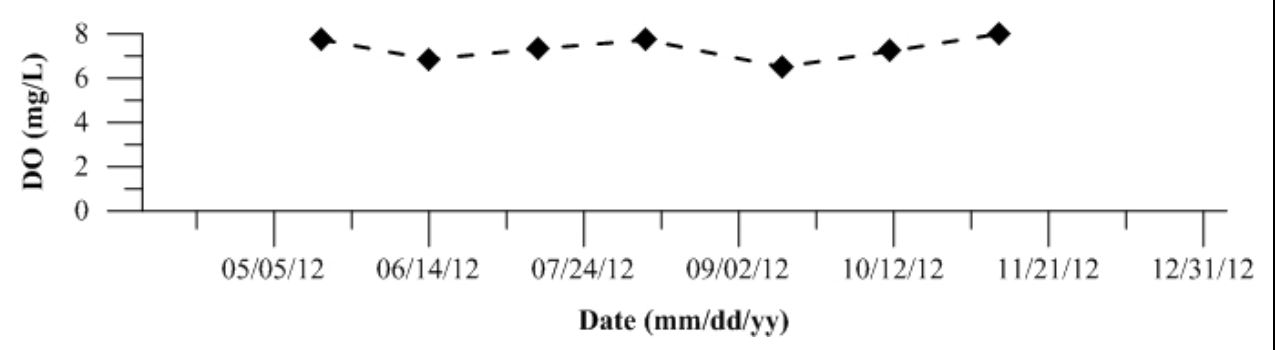
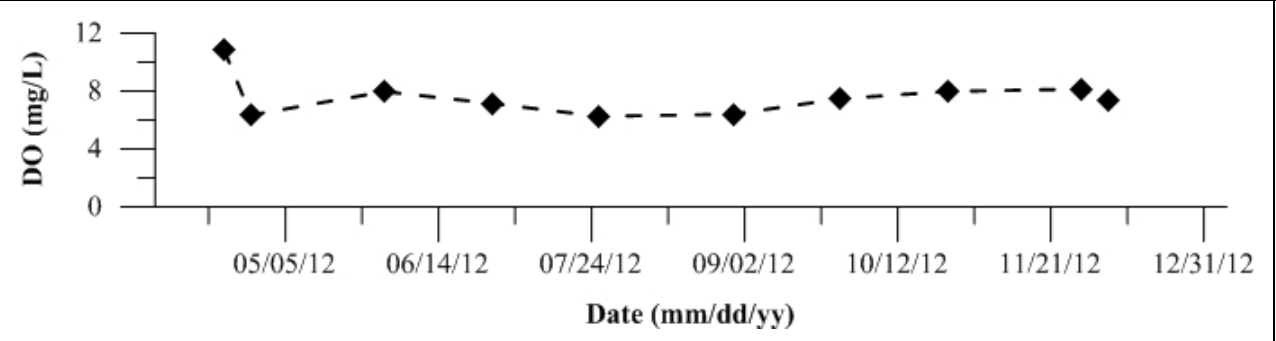


Figure 1154: Grab sample dissolved oxygen (DO) concentration taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1155-1180: Temporal plots of pH by Site ID

Figure 1155: Grab sample pH taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

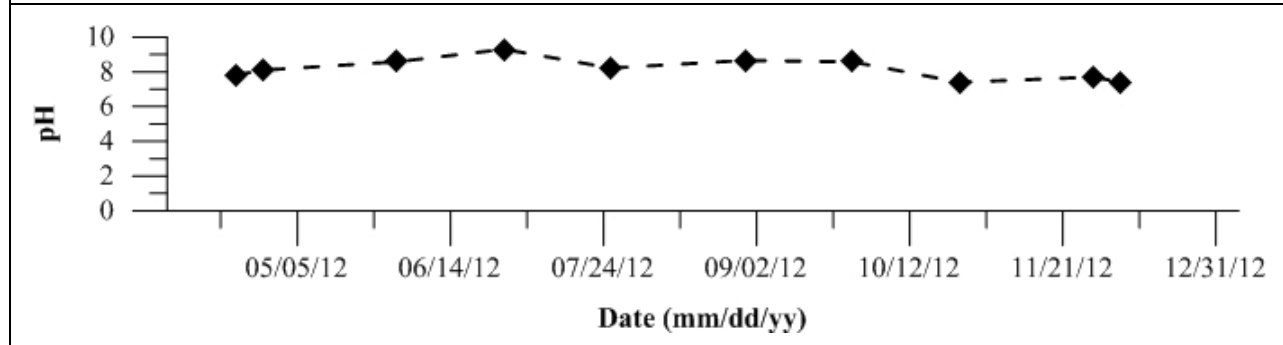


Figure 1156: Grab sample pH taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

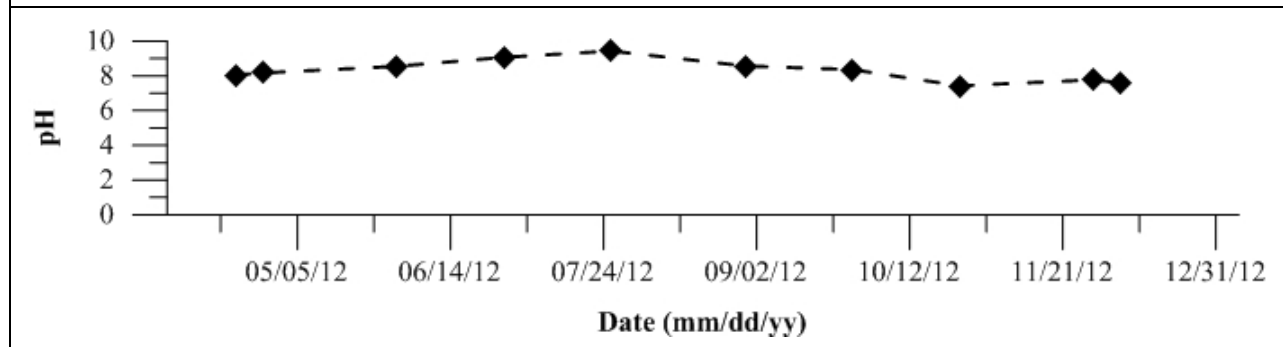


Figure 1157: Grab sample pH taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

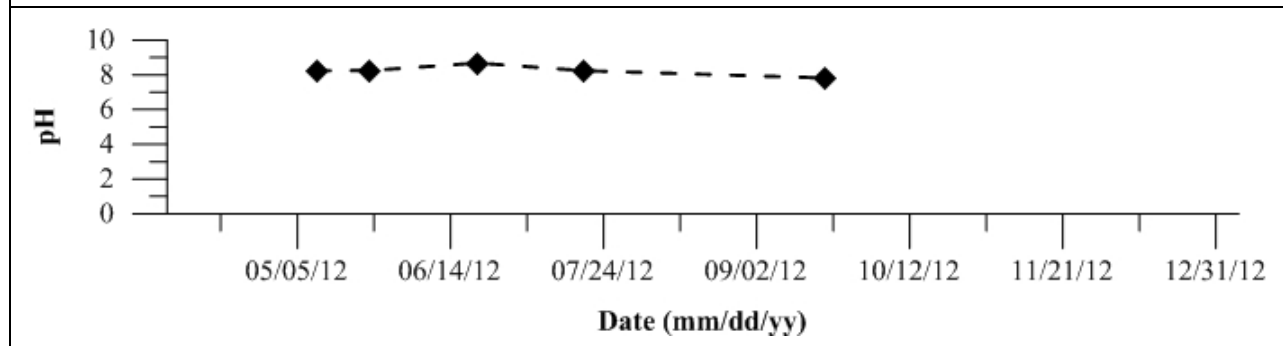


Figure 1158: Grab sample pH taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

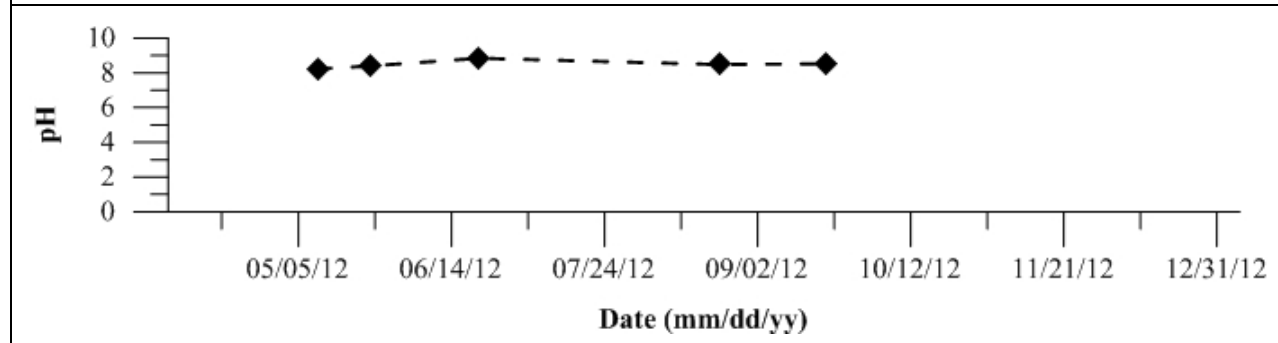


Figure 1159: Grab sample pH taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

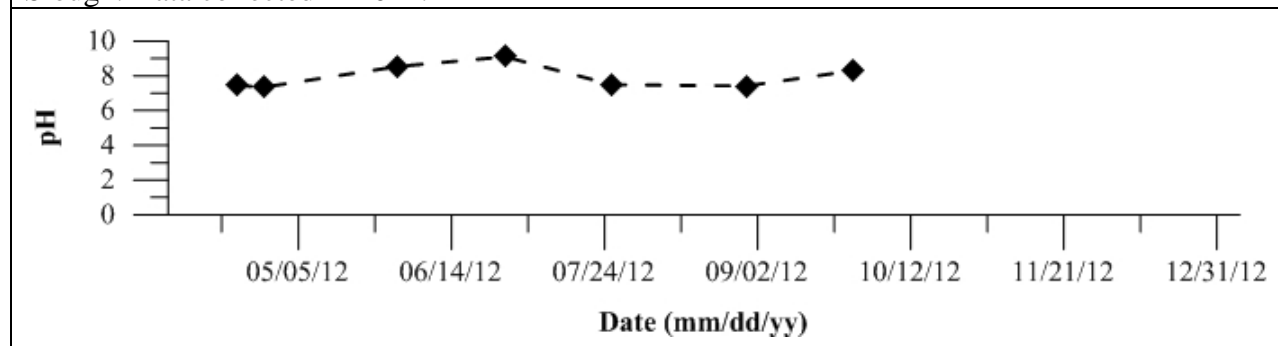


Figure 1160: Grab sample pH taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

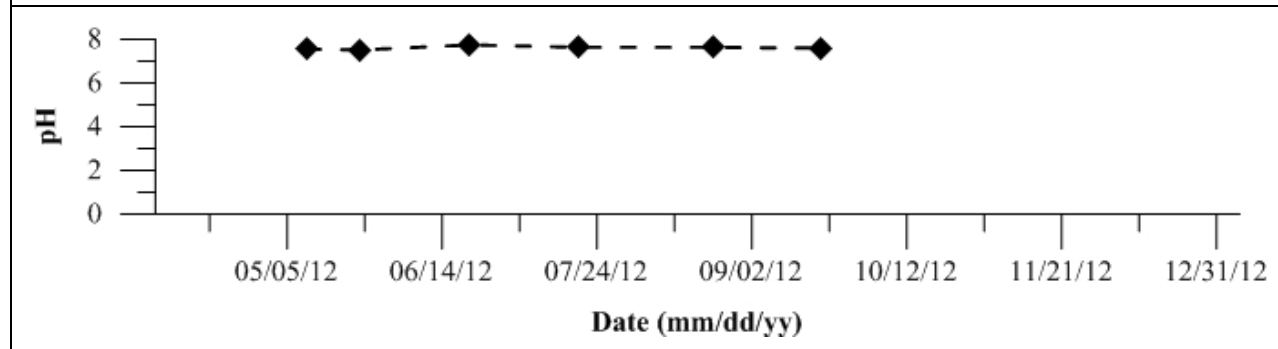


Figure 1161: Grab sample pH taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

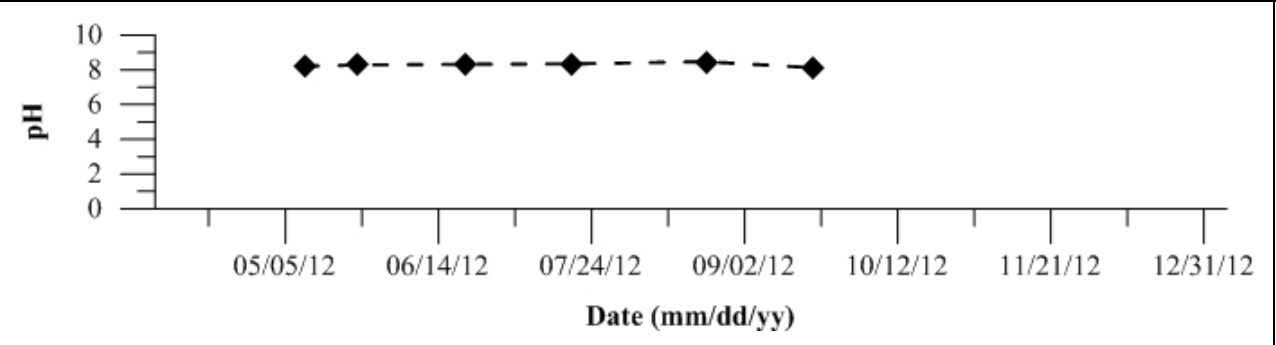


Figure 1162: Grab sample pH taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

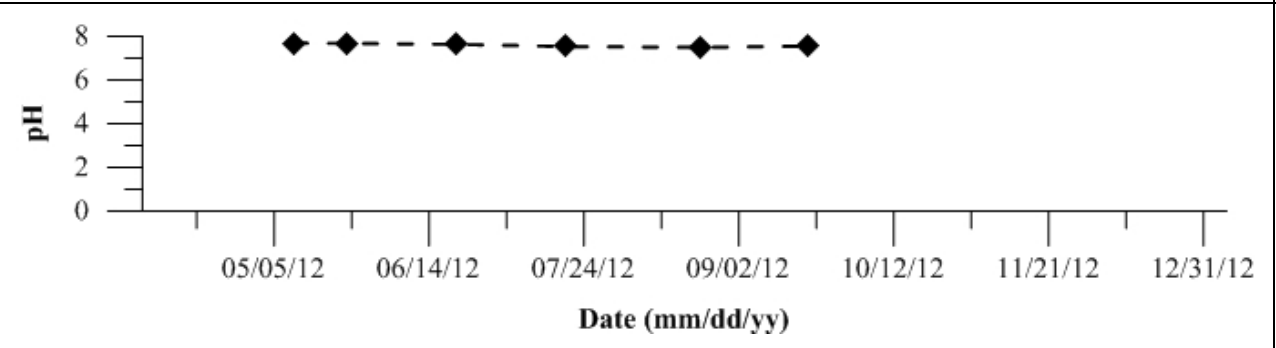


Figure 1163: Grab sample pH taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

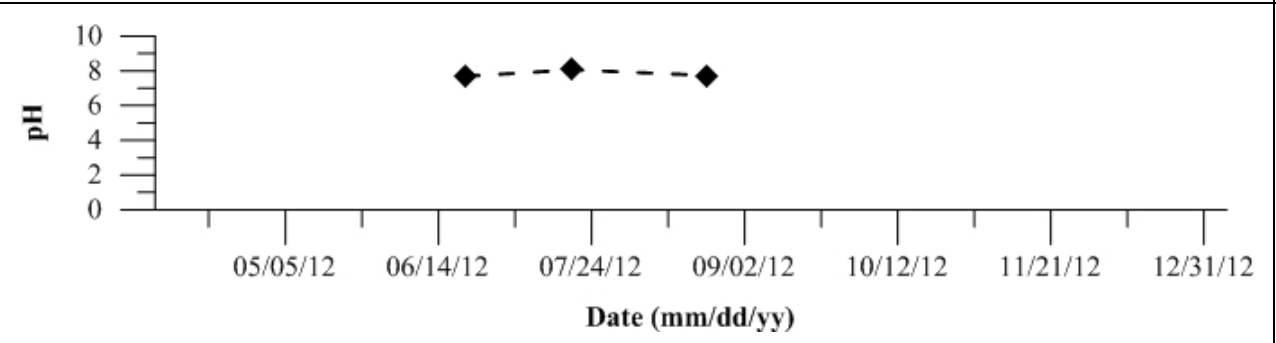


Figure 1164: Grab sample pH taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

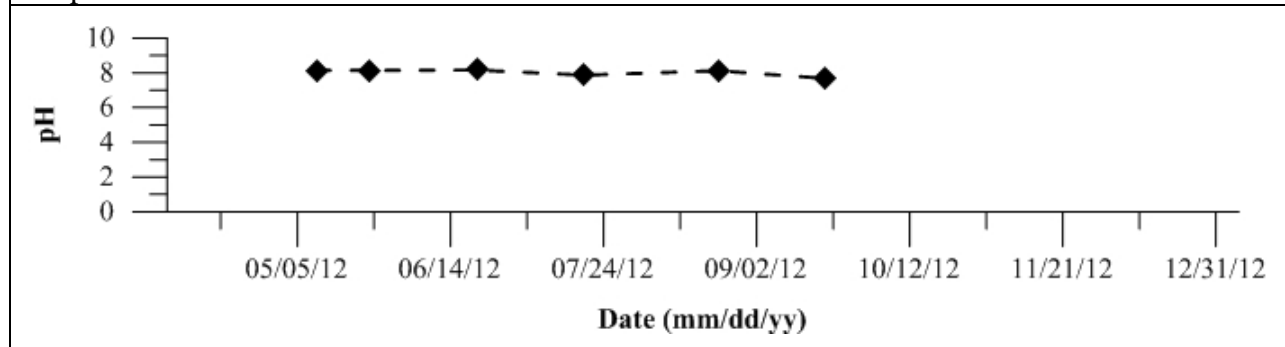


Figure 1165: Grab sample pH taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

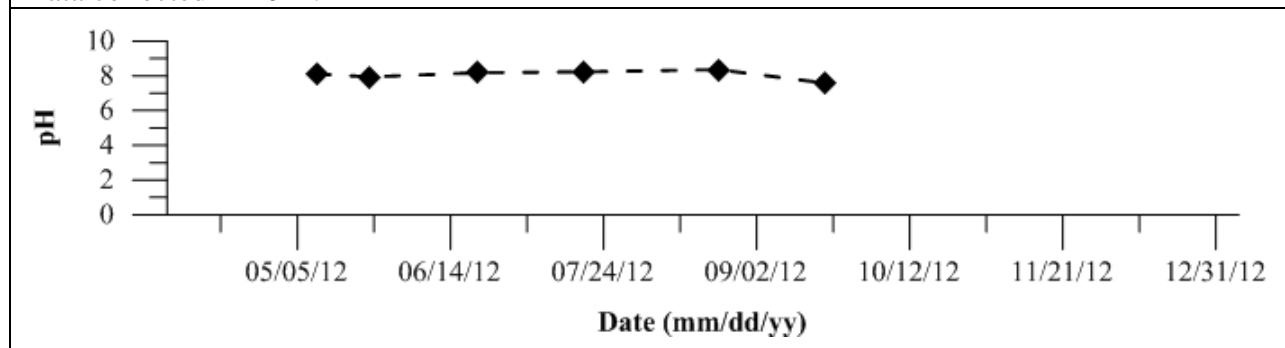


Figure 1166: Grab sample pH taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

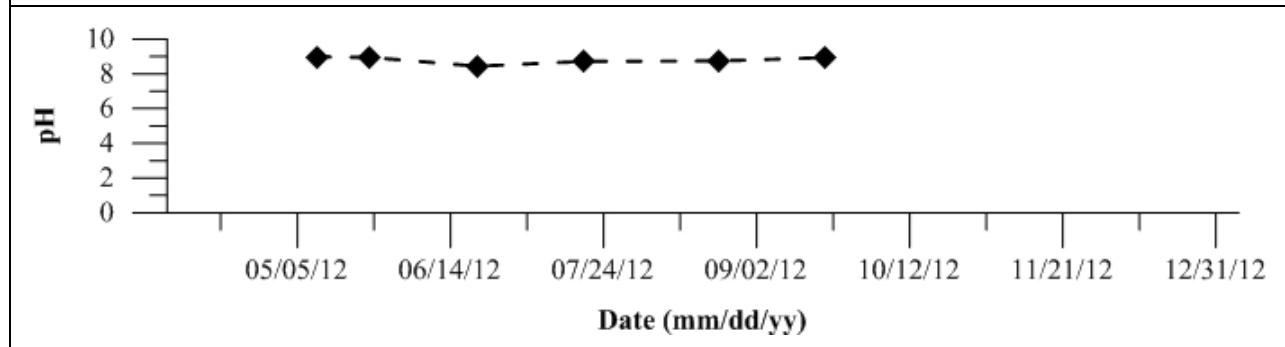


Figure 1167: Grab sample pH taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

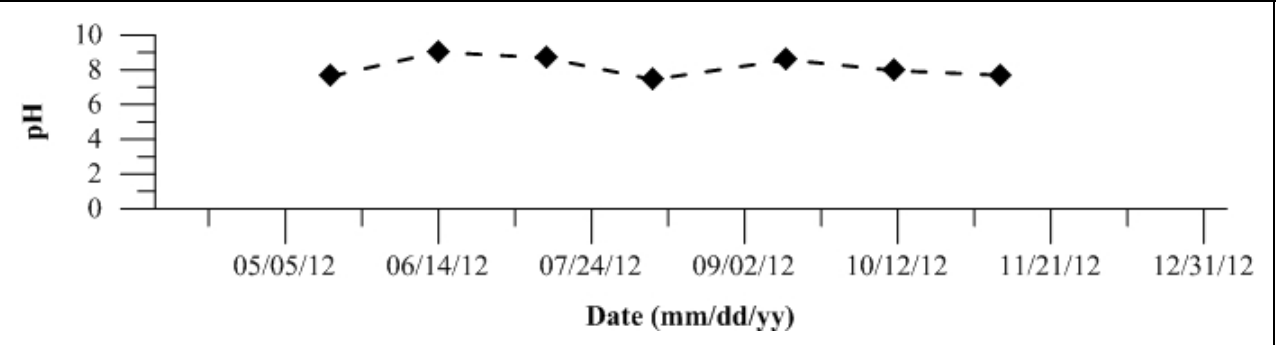


Figure 1168: Grab sample pH taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

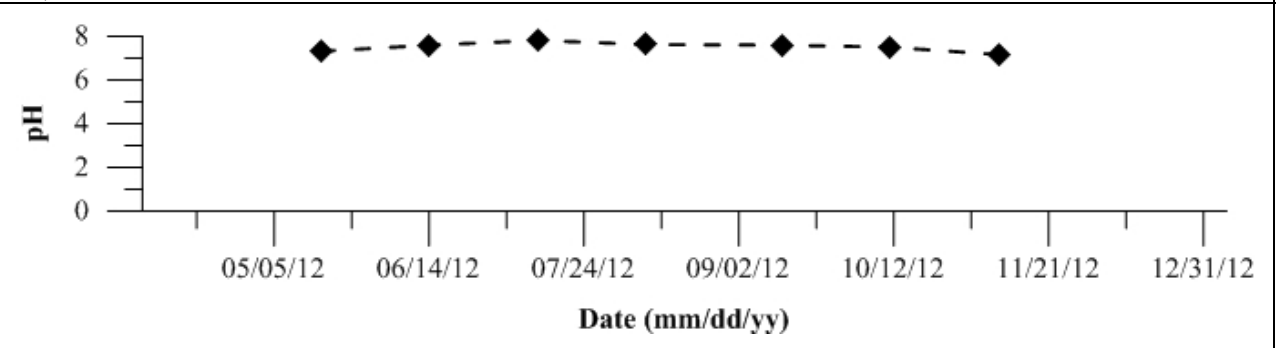


Figure 1169: Grab sample pH taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

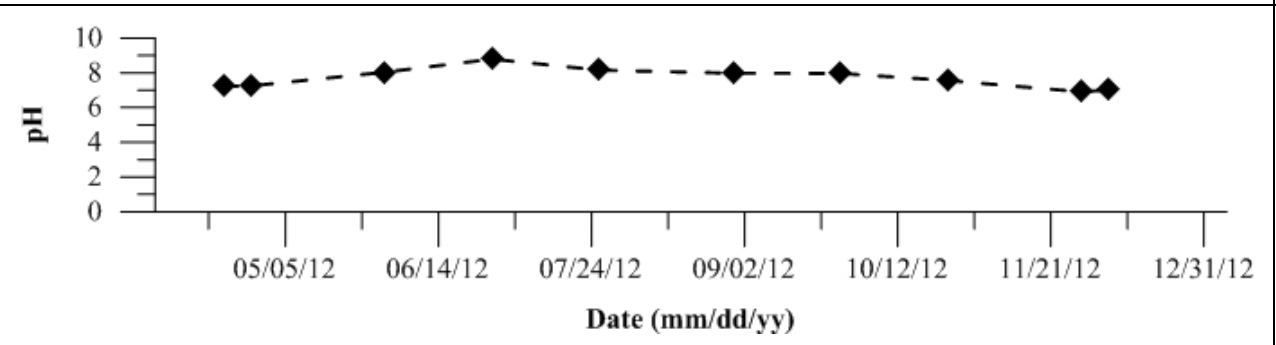


Figure 1170: Grab sample pH taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

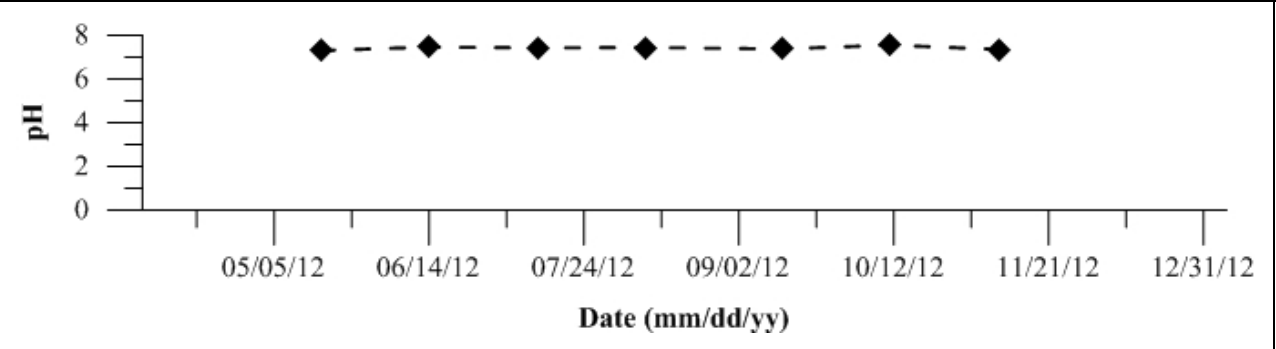


Figure 1171: Grab sample pH taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

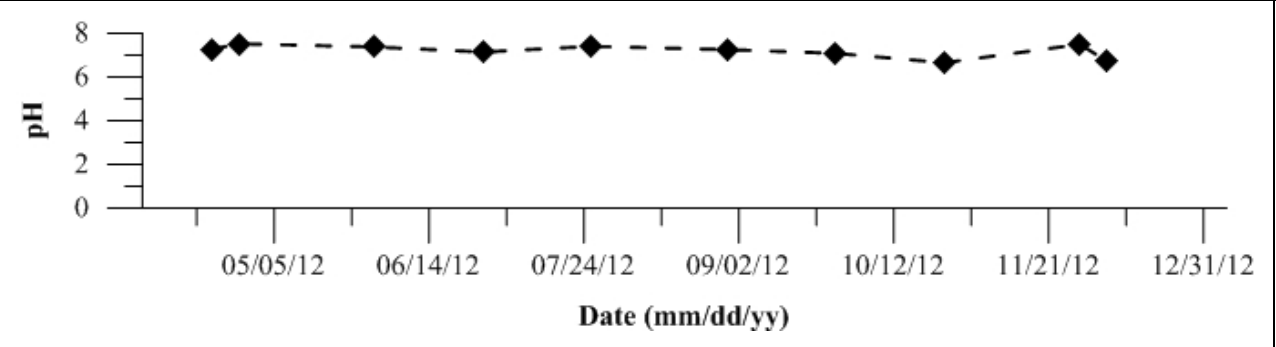


Figure 1172: Grab sample pH taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

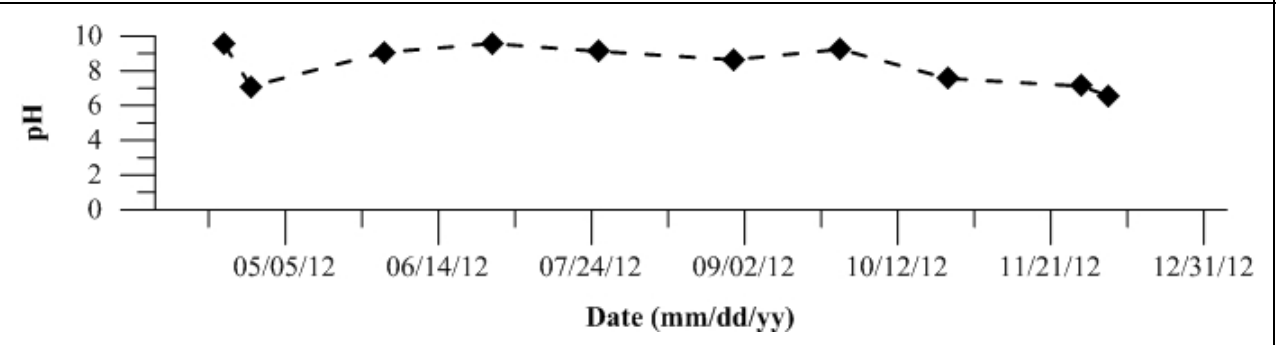


Figure 1173: Grab sample pH taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

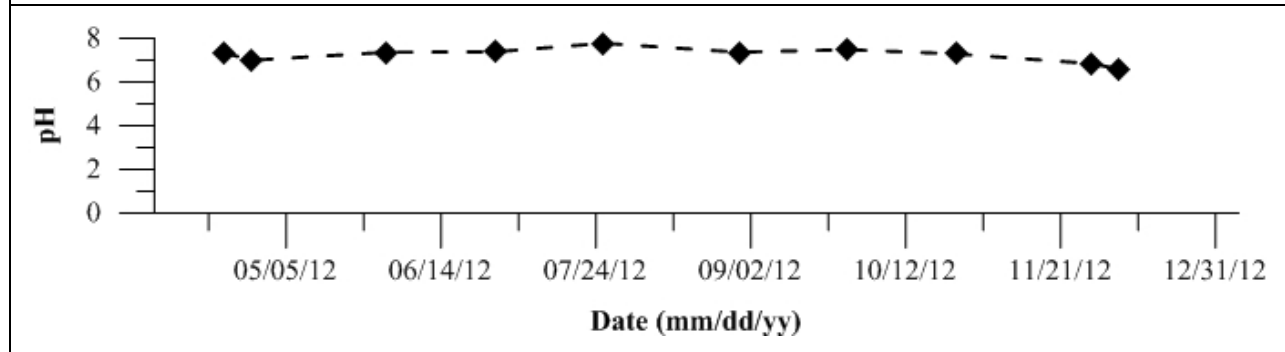


Figure 1174: Grab sample pH taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

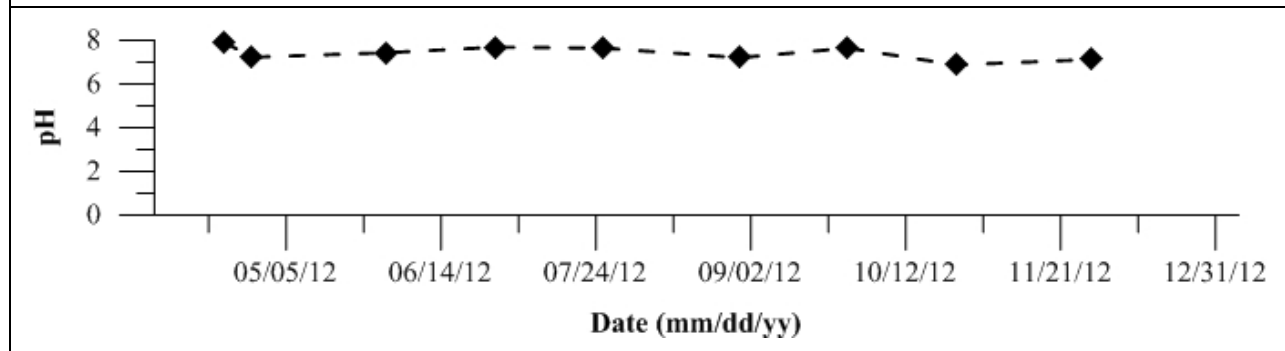


Figure 1175: Grab sample pH taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

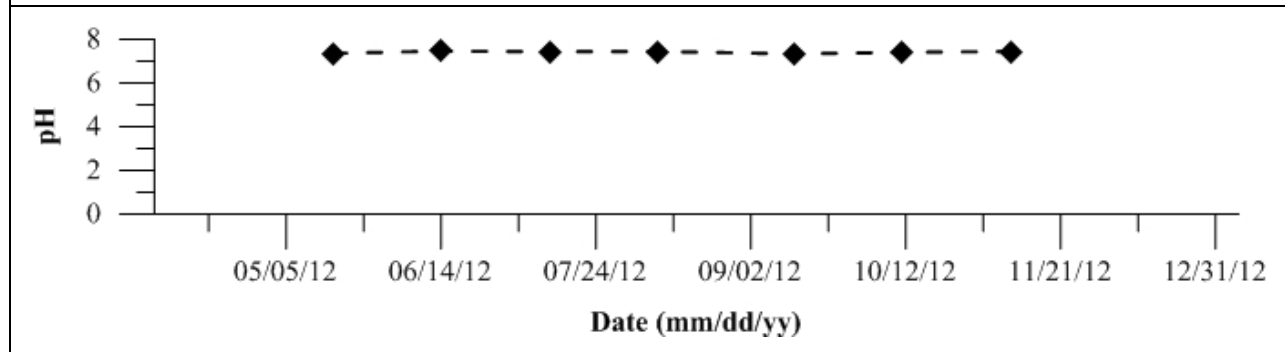


Figure 1176: Grab sample pH taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

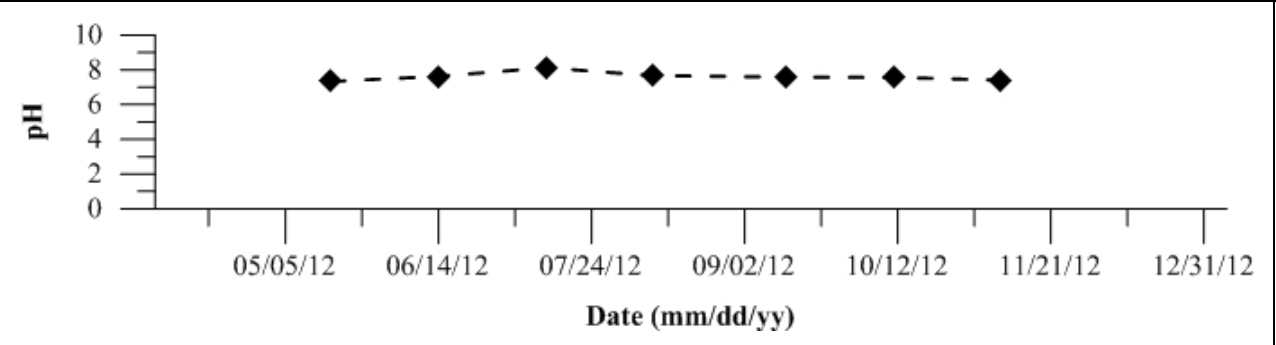


Figure 1177: Grab sample pH taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

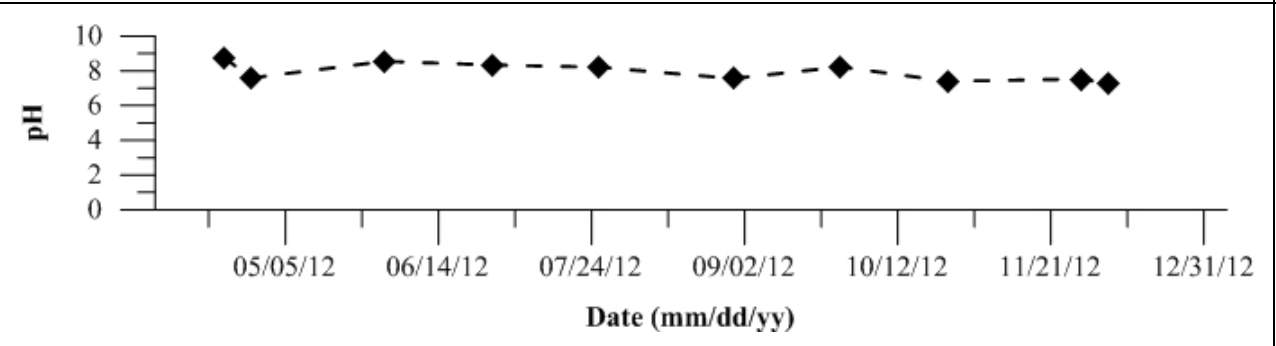


Figure 1178: Grab sample pH taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

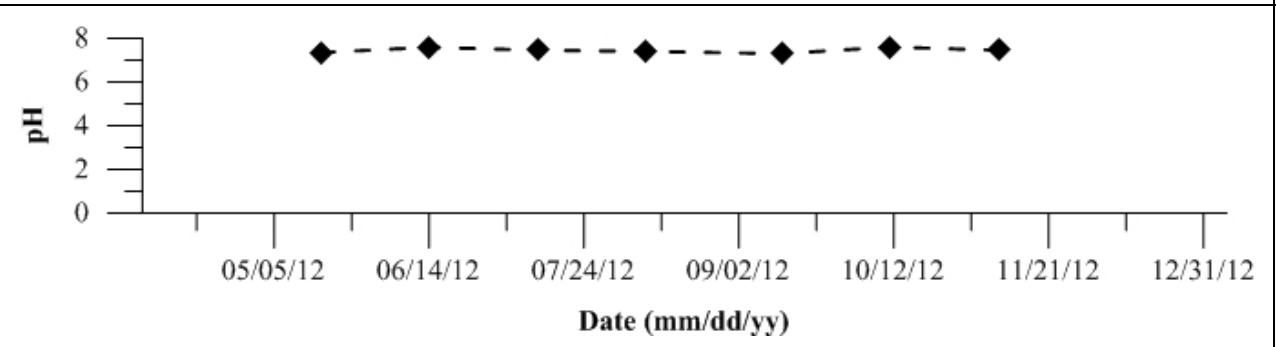


Figure 1179: Grab sample pH taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

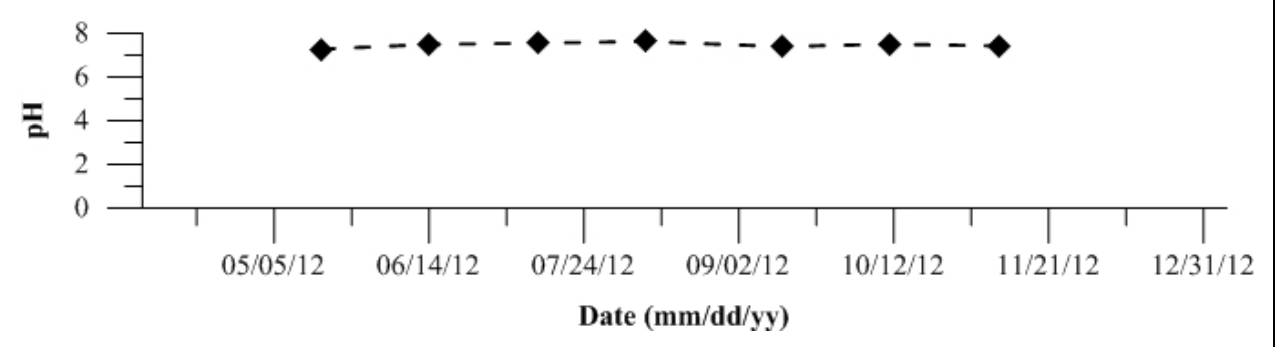
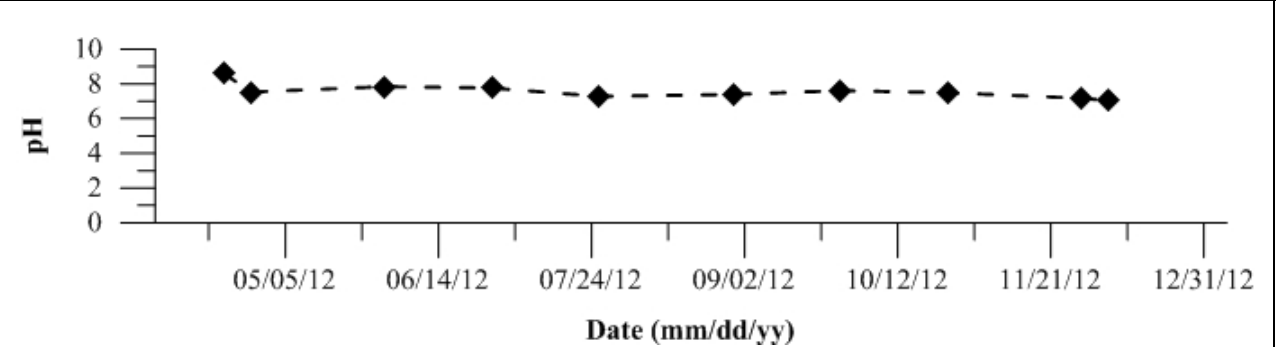


Figure 1180: Grab sample pH taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1181-1206: Temporal plots of turbidity as determined by sonde measurements by Site ID

Figure 1181: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

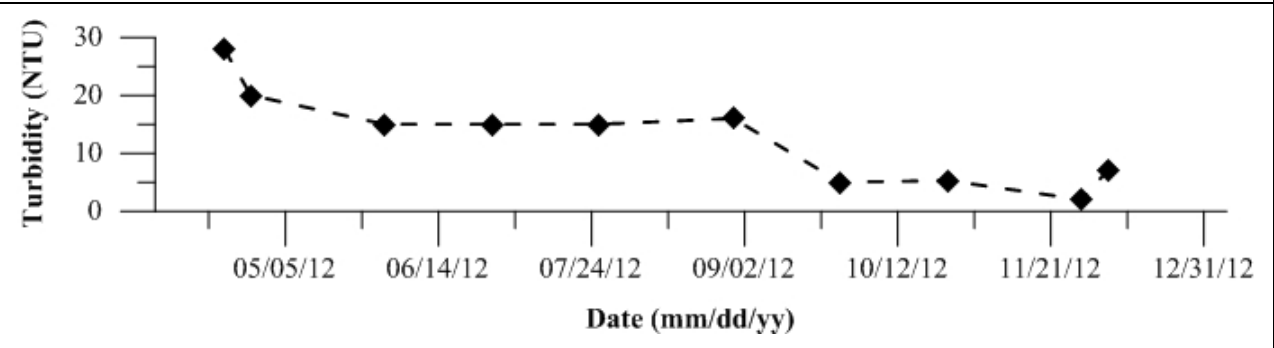


Figure 1182: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

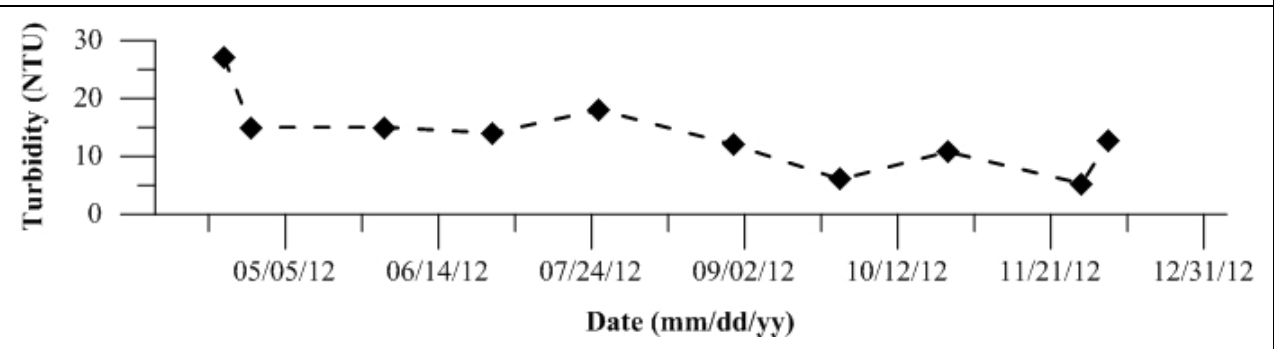


Figure 1183: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

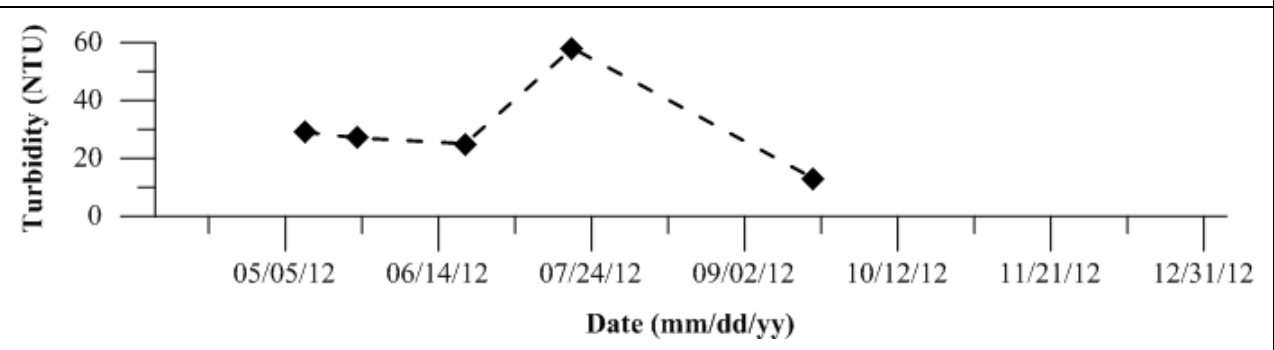


Figure 1184: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

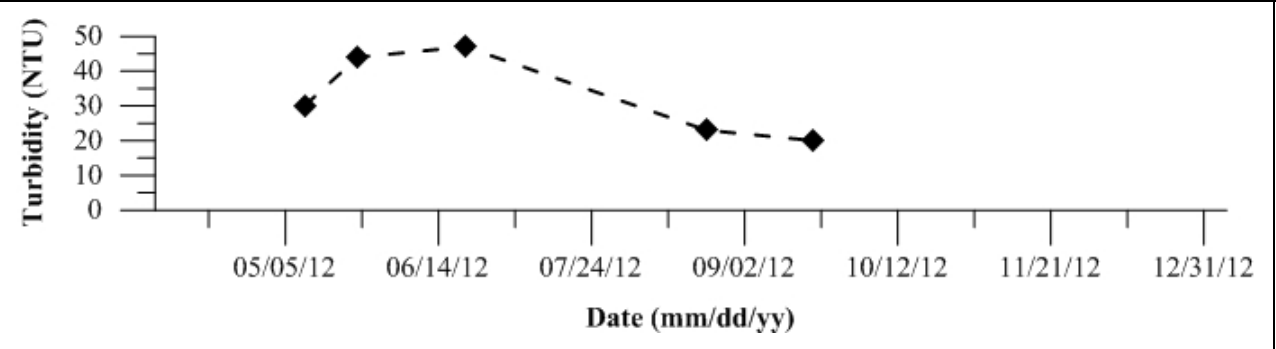


Figure 1185: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

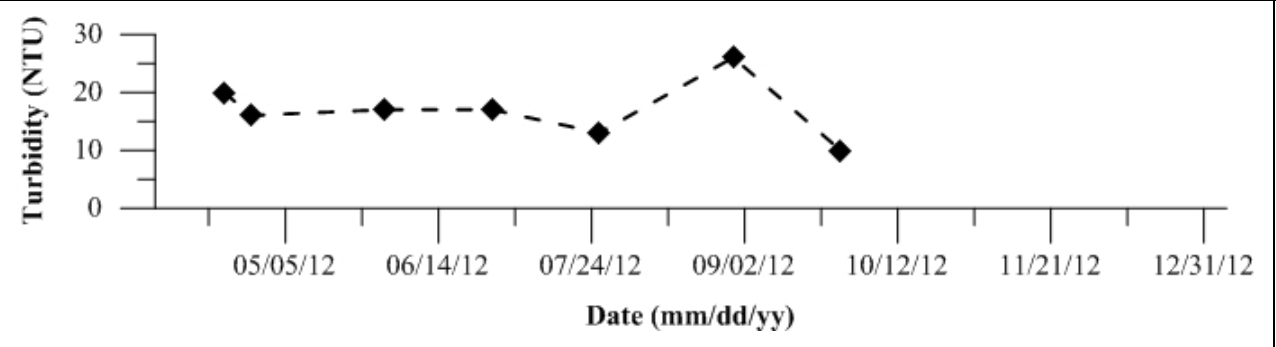


Figure 1186: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

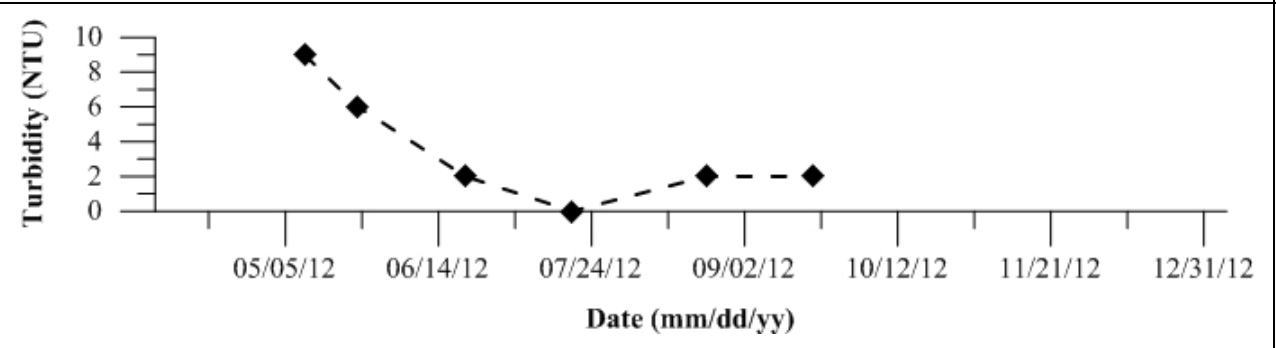


Figure 1187: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

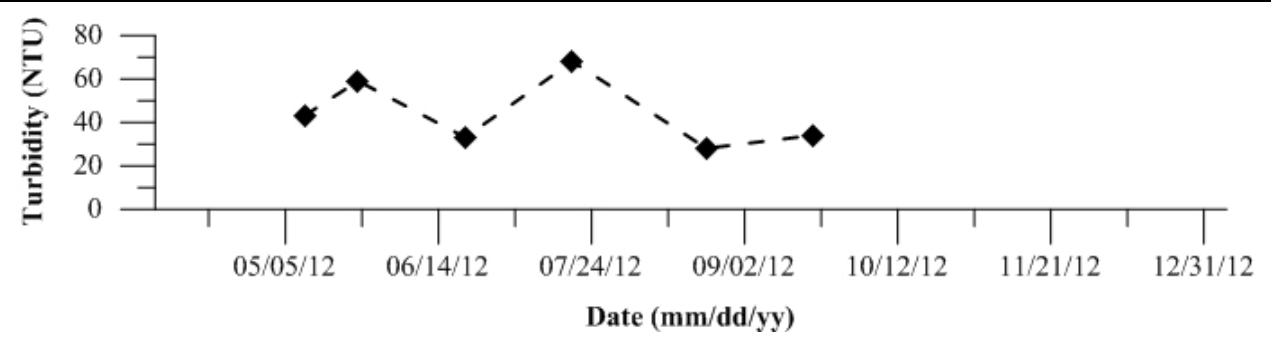


Figure 1188: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

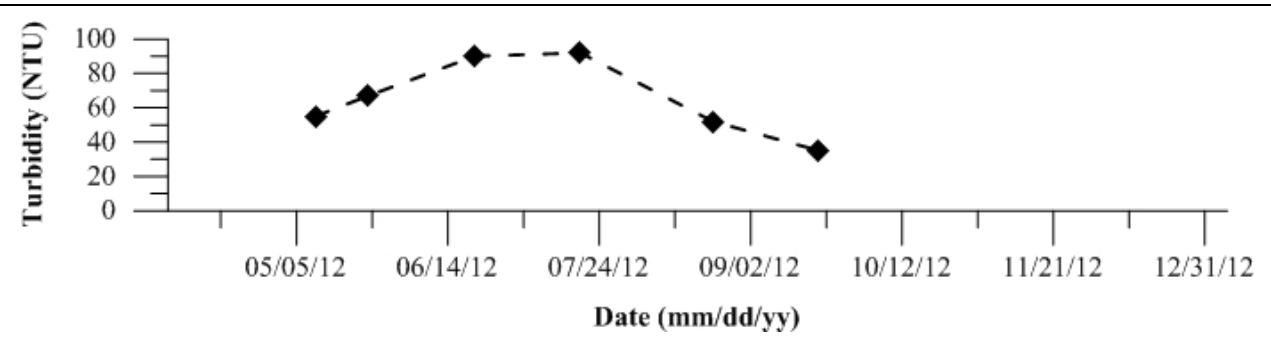


Figure 1189: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

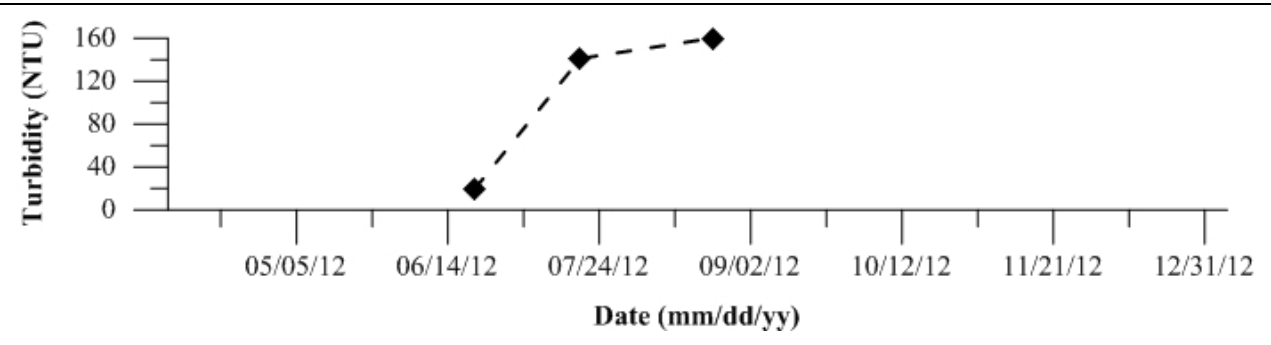


Figure 1190: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

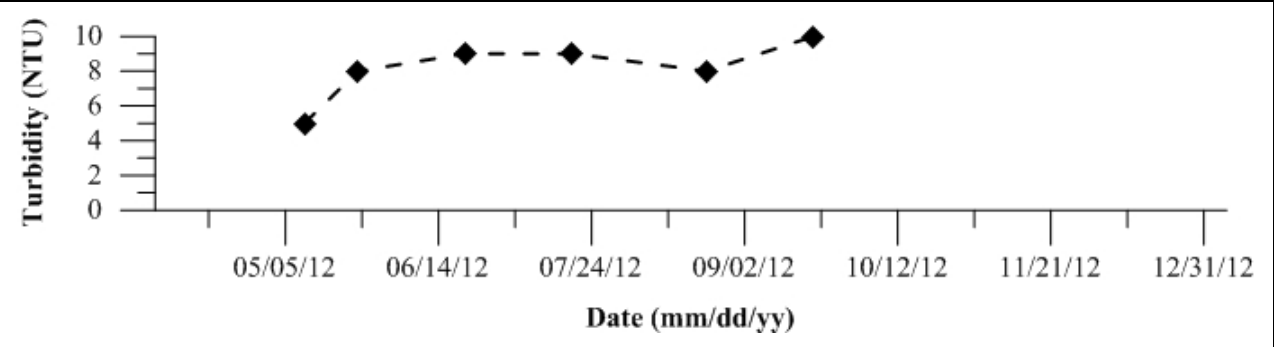


Figure 1191: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

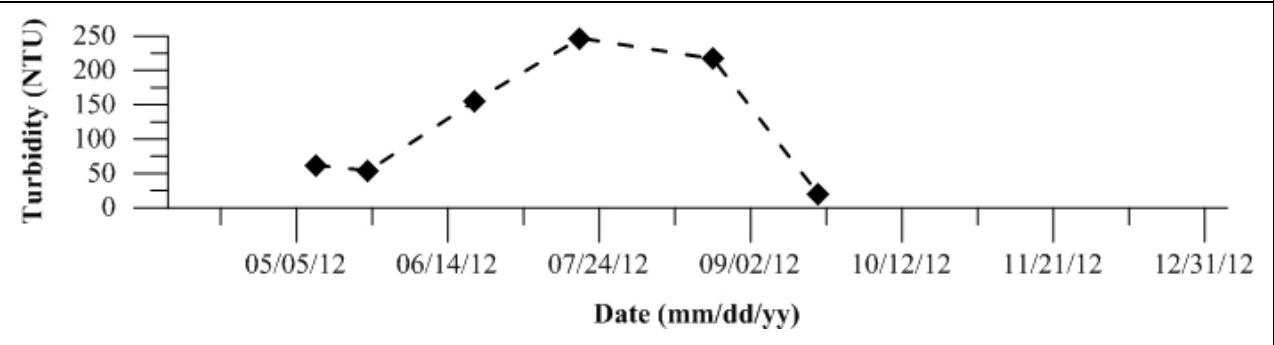


Figure 1192: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

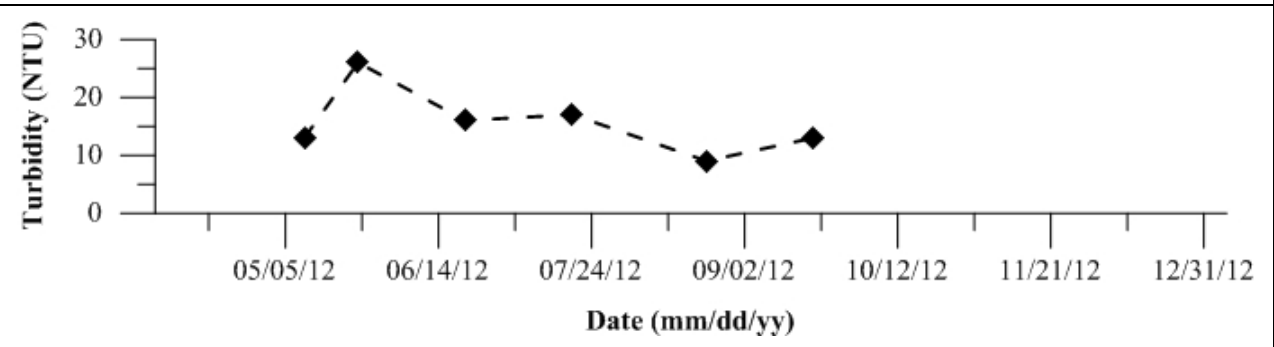


Figure 1193: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

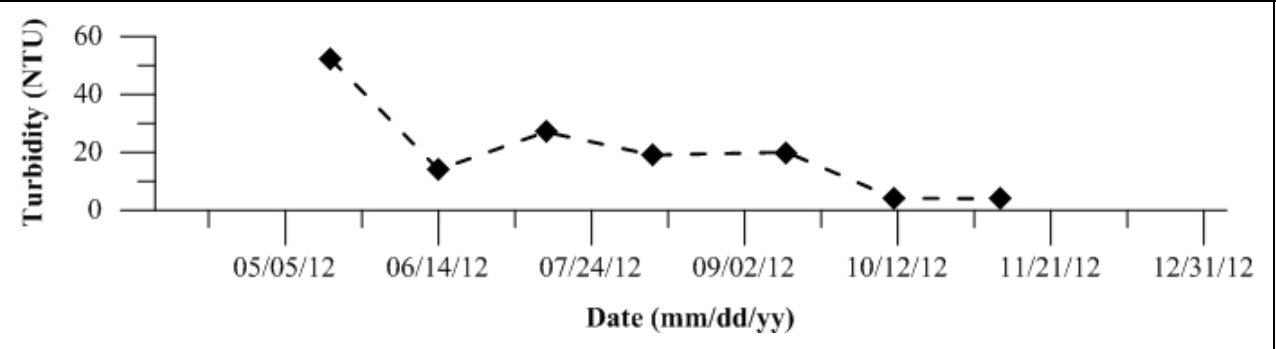


Figure 1194: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

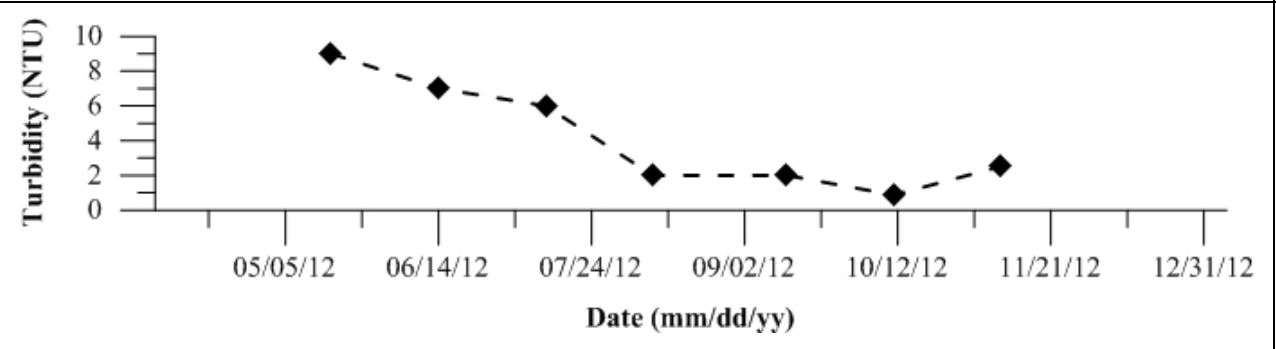


Figure 1195: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

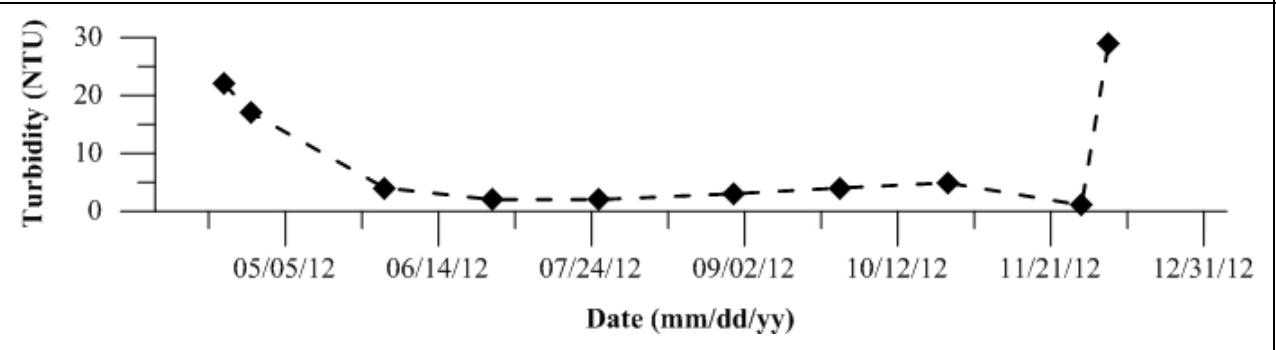


Figure 1196: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

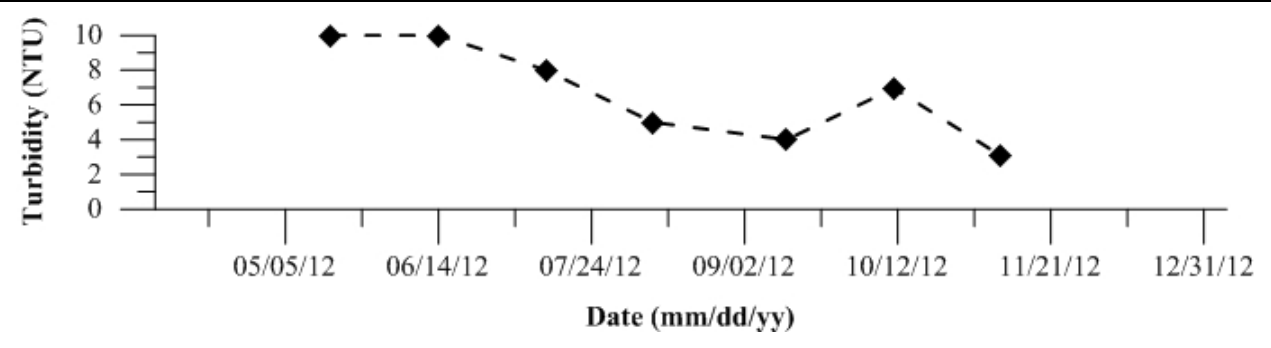


Figure 1197: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

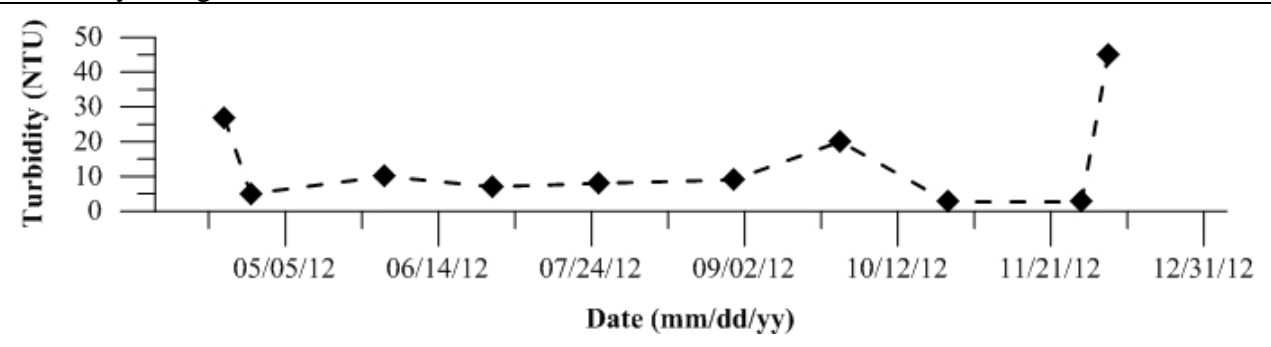


Figure 1198: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

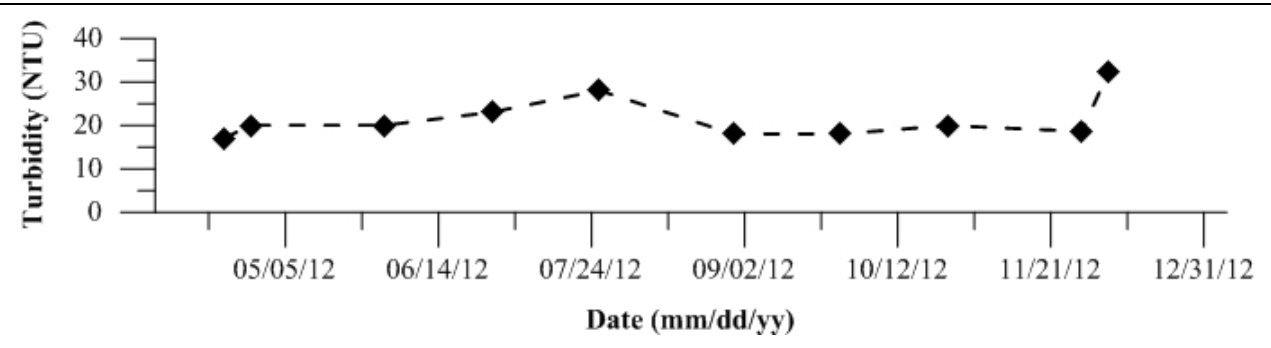


Figure 1199: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

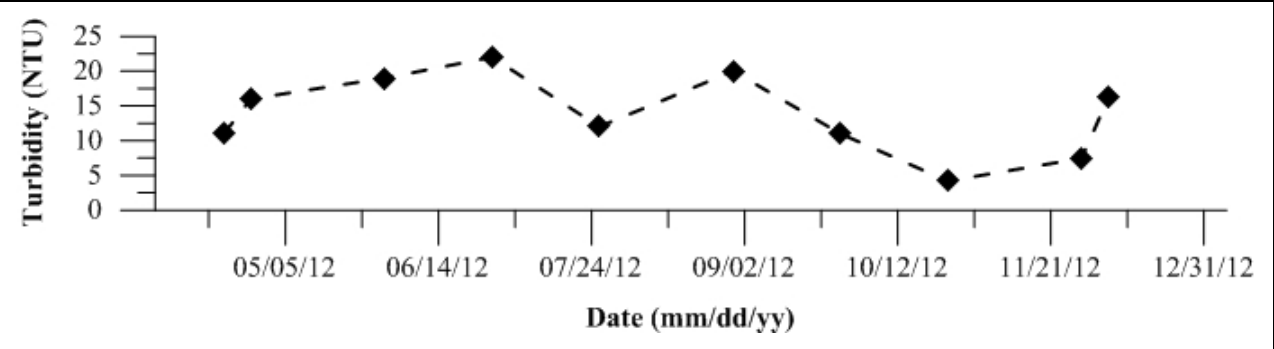


Figure 1200: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

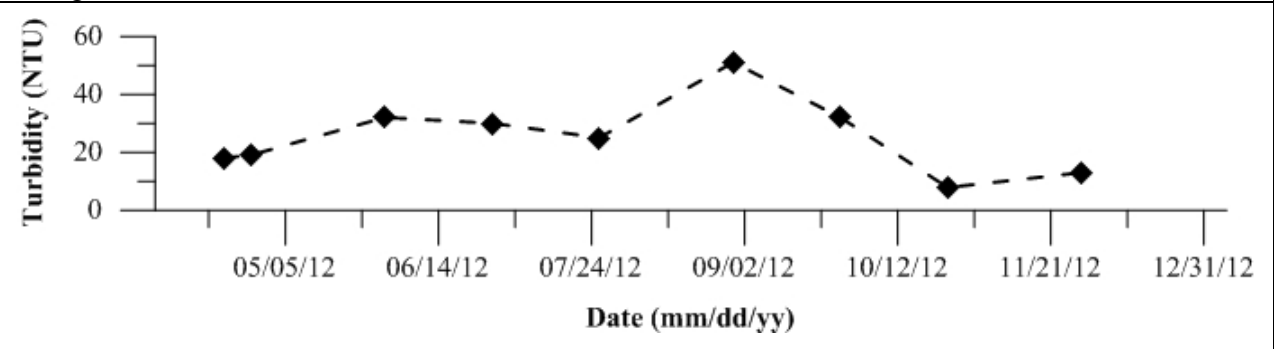


Figure 1201: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

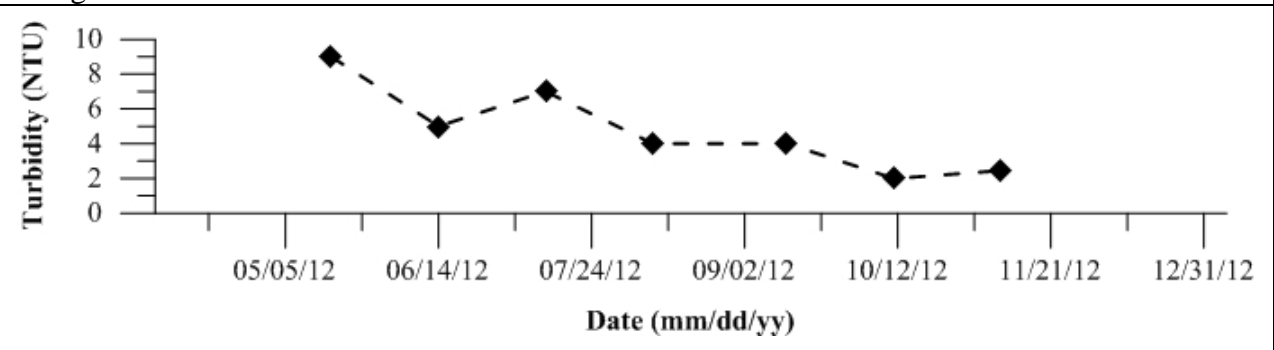


Figure 1202: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

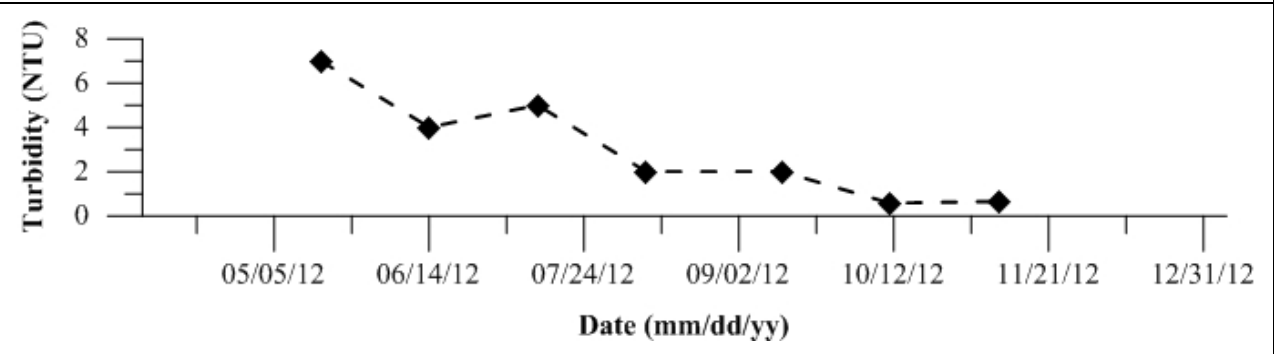


Figure 1203: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

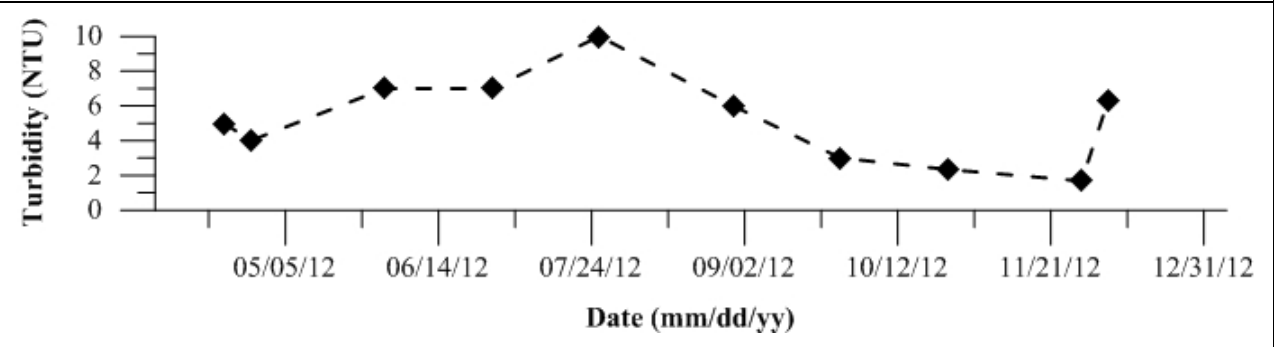


Figure 1204: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

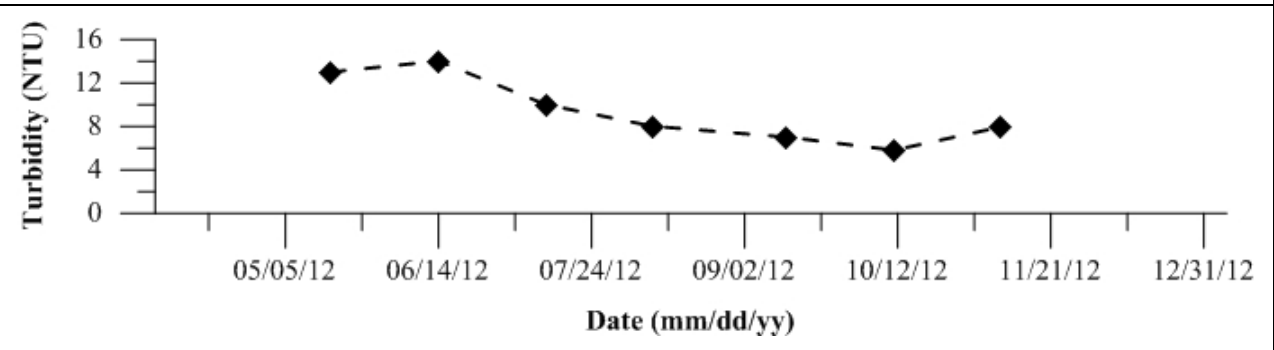


Figure 1205: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

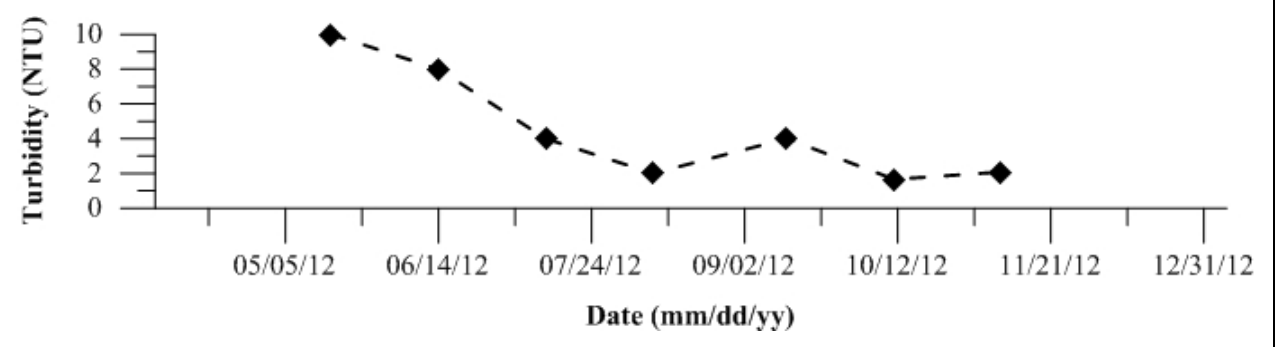
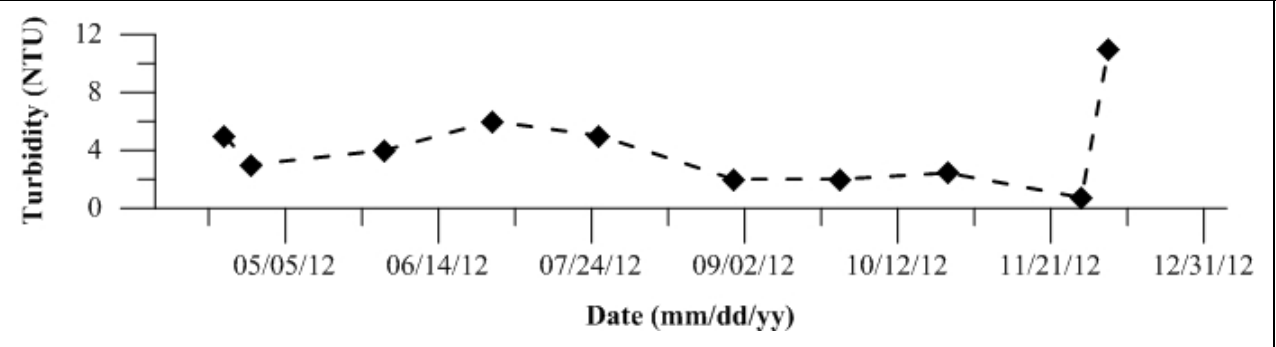


Figure 1206: Grab sample turbidity taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1207-1232: Temporal plots of phycocyanin Blue-Green Algae (BGA) concentration by Site ID

Figure 1207: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

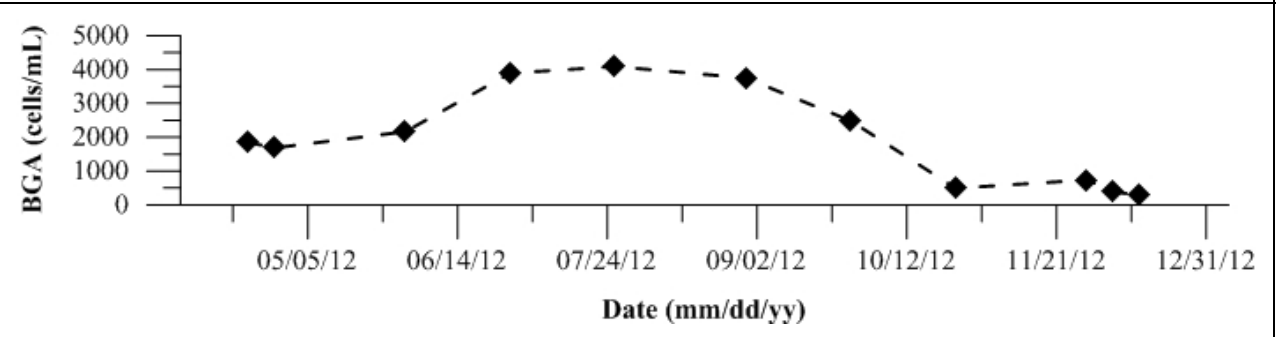


Figure 1208: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

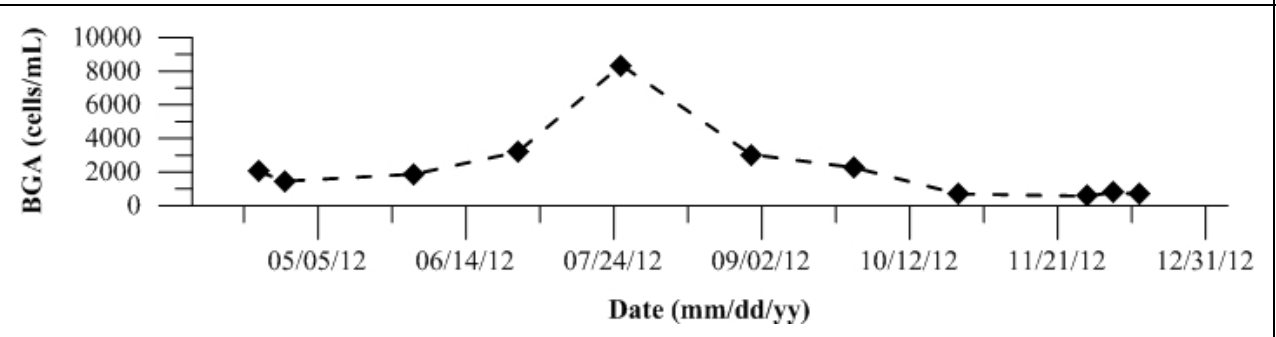


Figure 1209: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

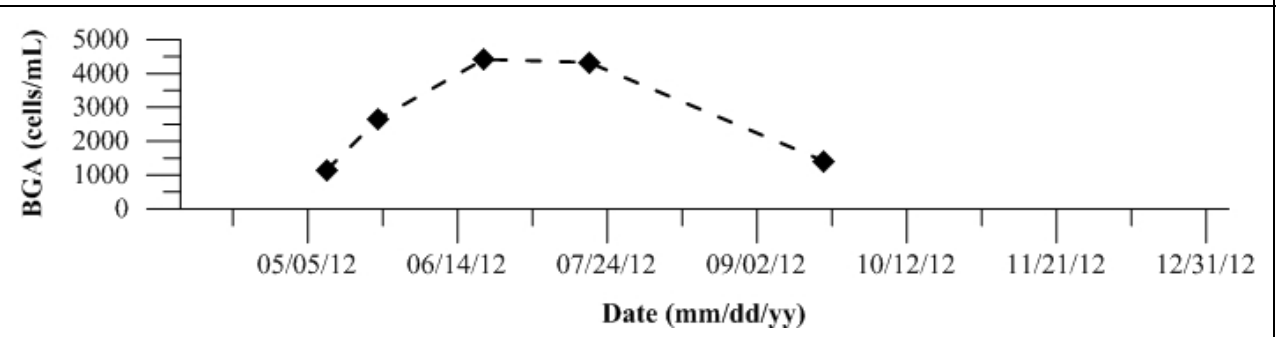


Figure 1210: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

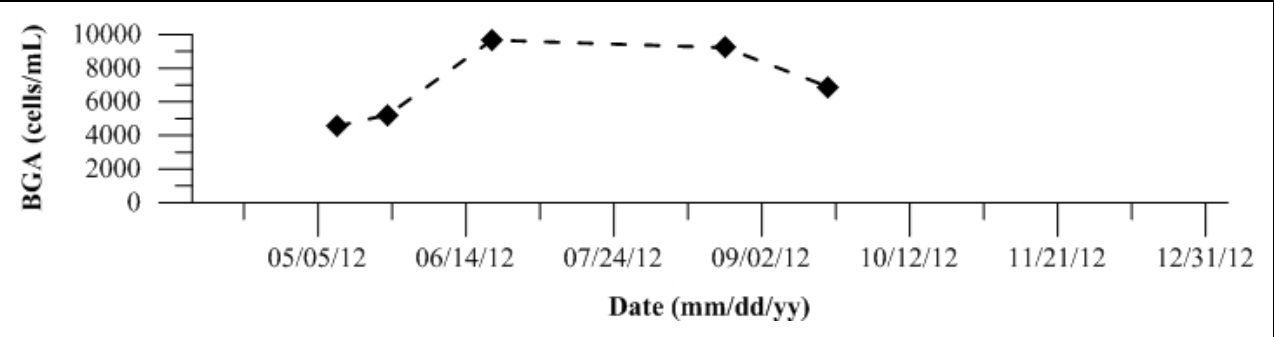


Figure 1211: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

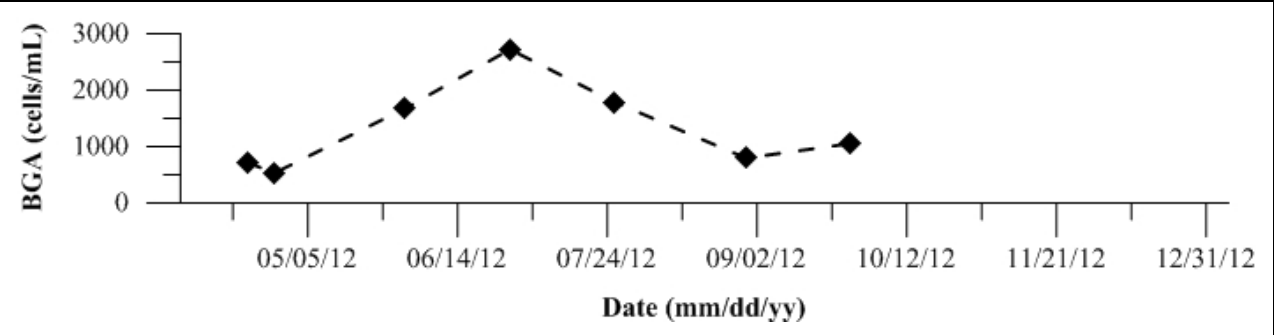


Figure 1212: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

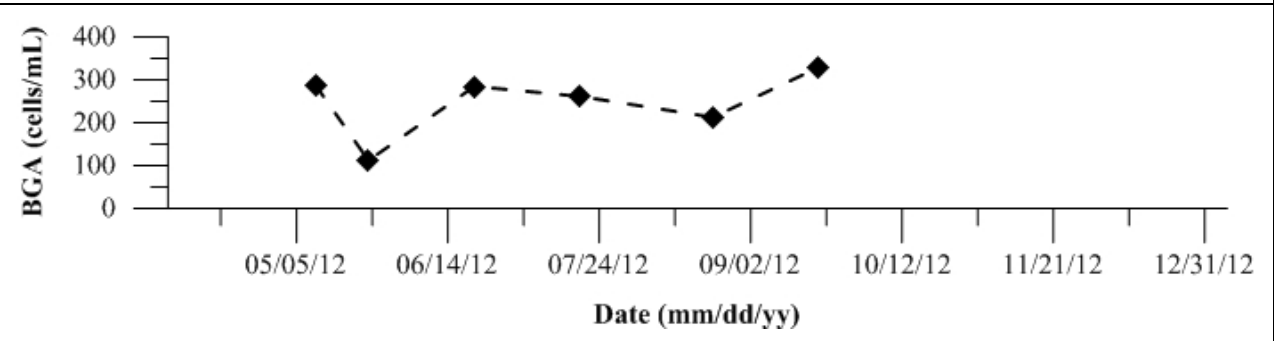


Figure 1213: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

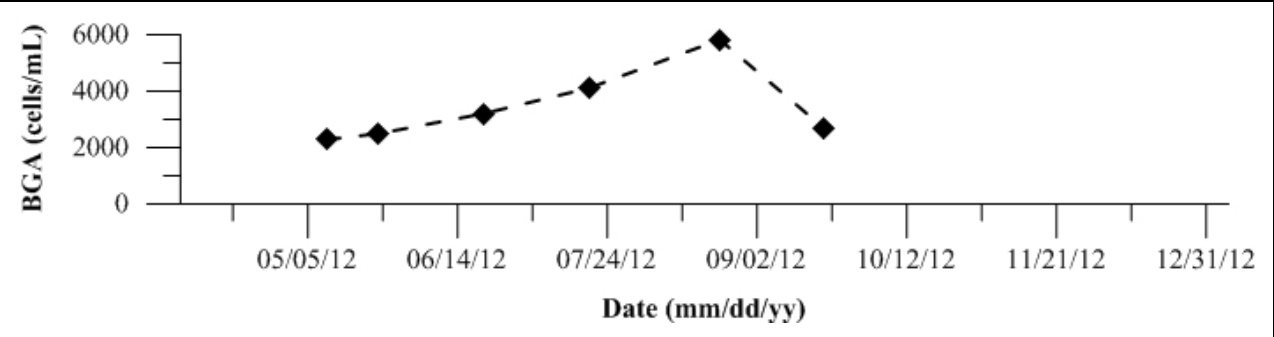


Figure 1214: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

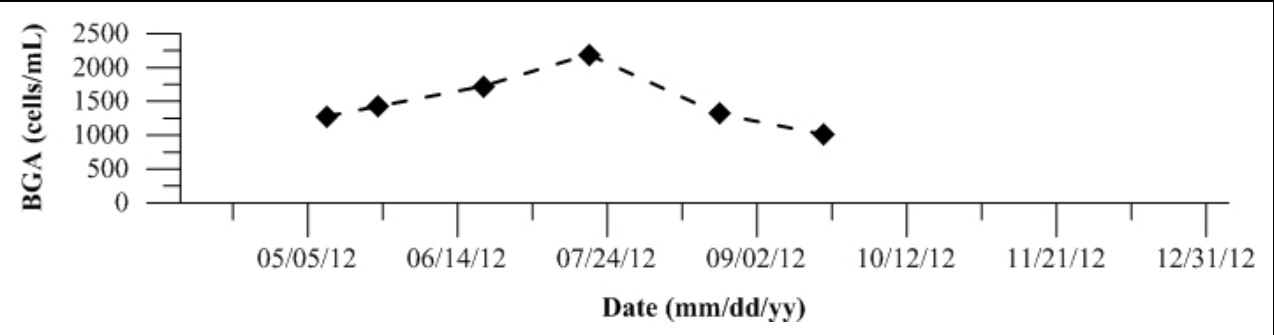


Figure 1215: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

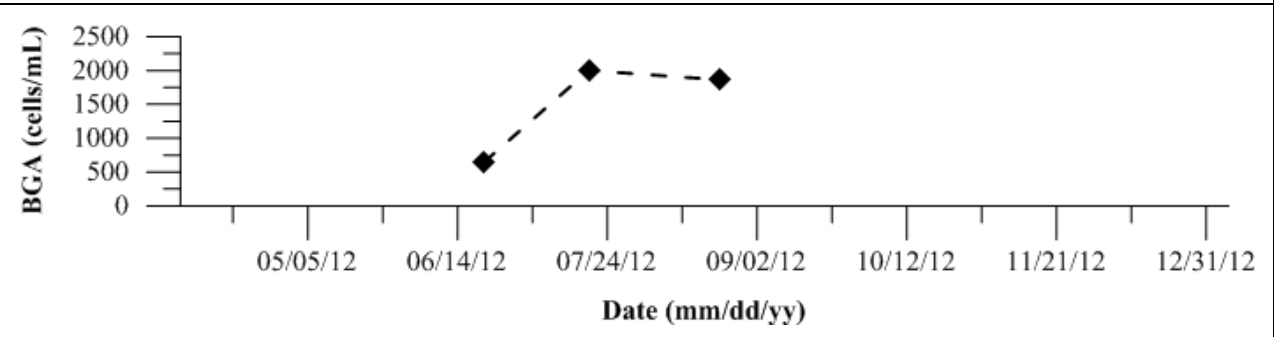


Figure 1216: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

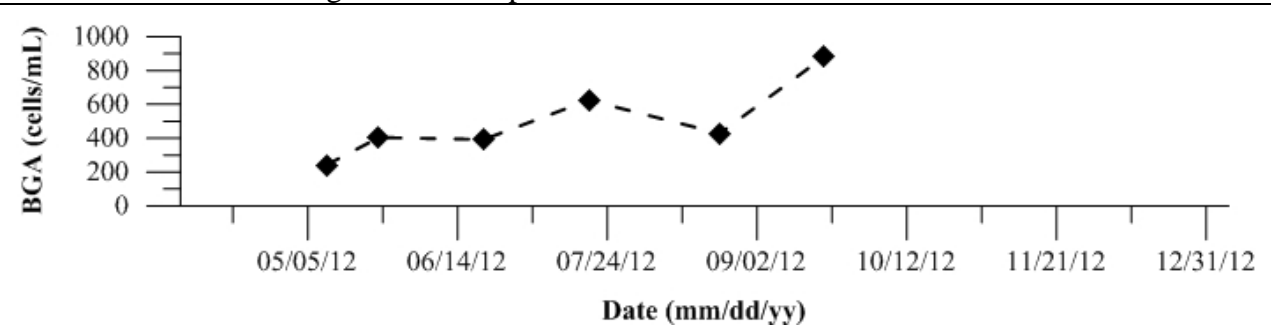


Figure 1217: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

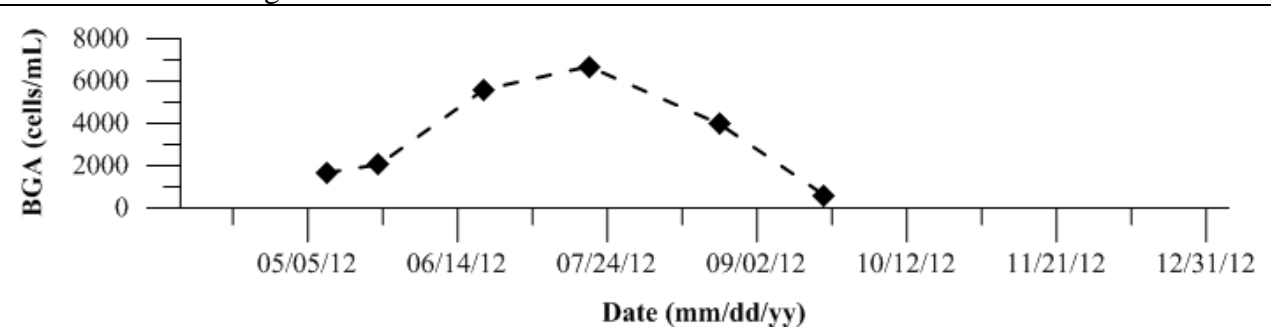


Figure 1218: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

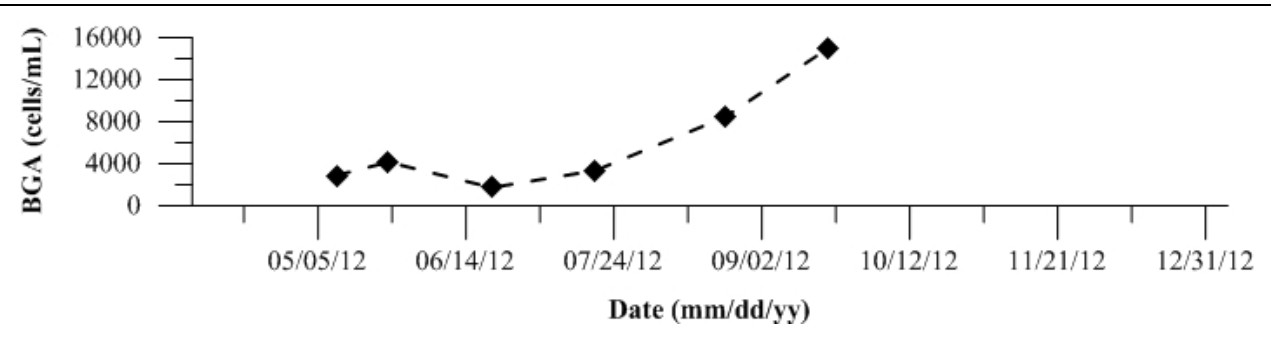


Figure 1219: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

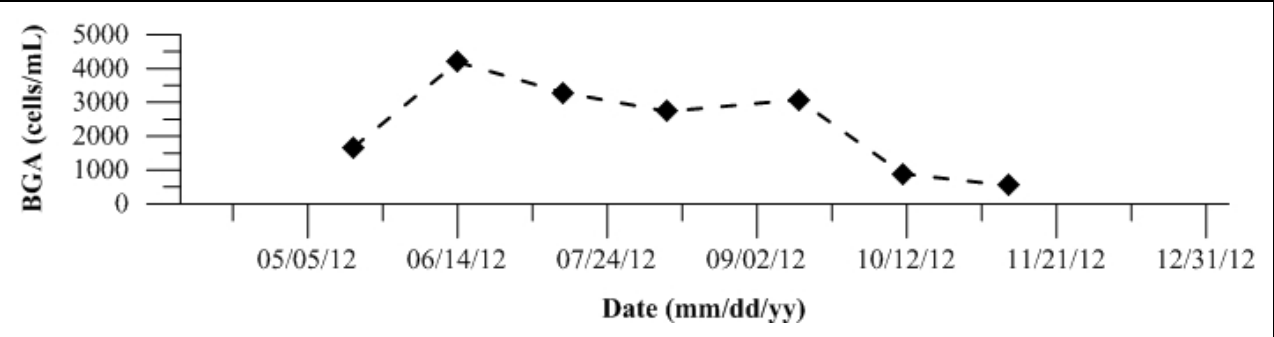


Figure 1220: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

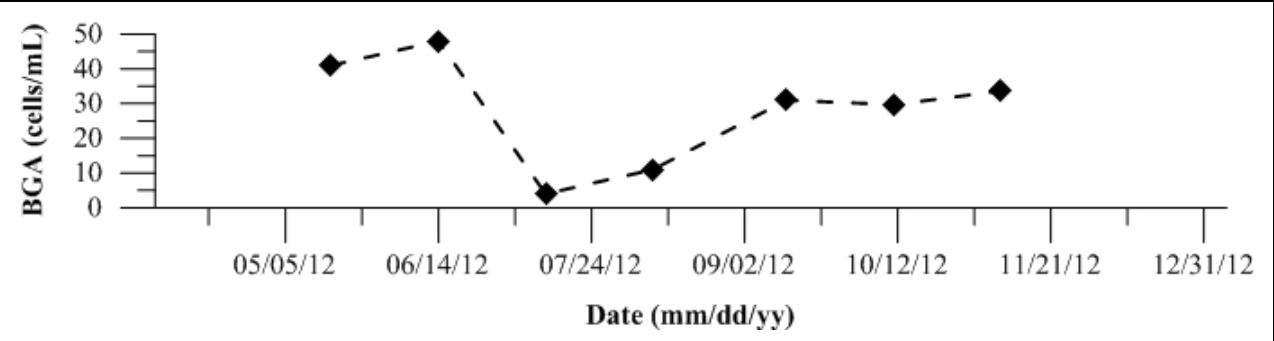


Figure 1221: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

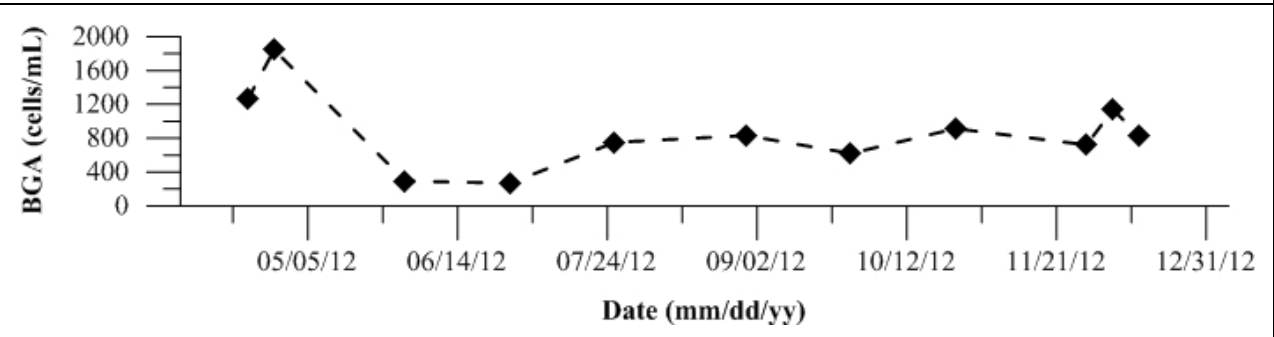


Figure 1222: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

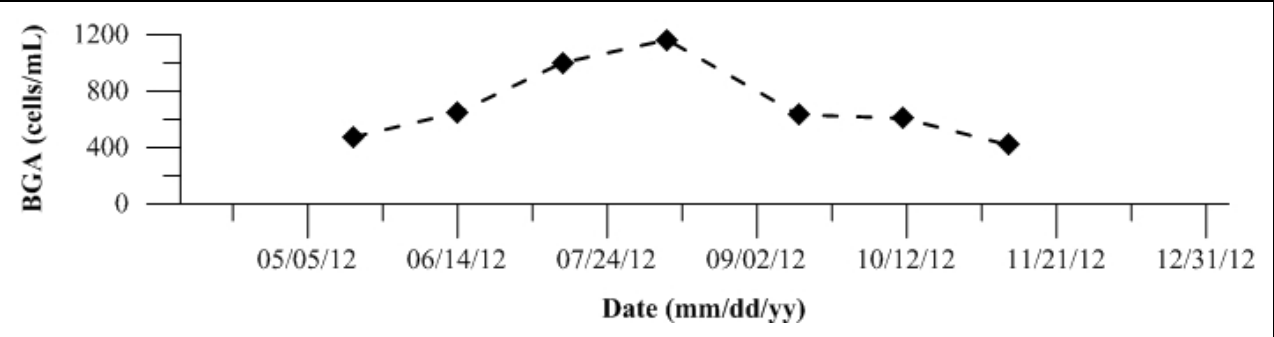


Figure 1223: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

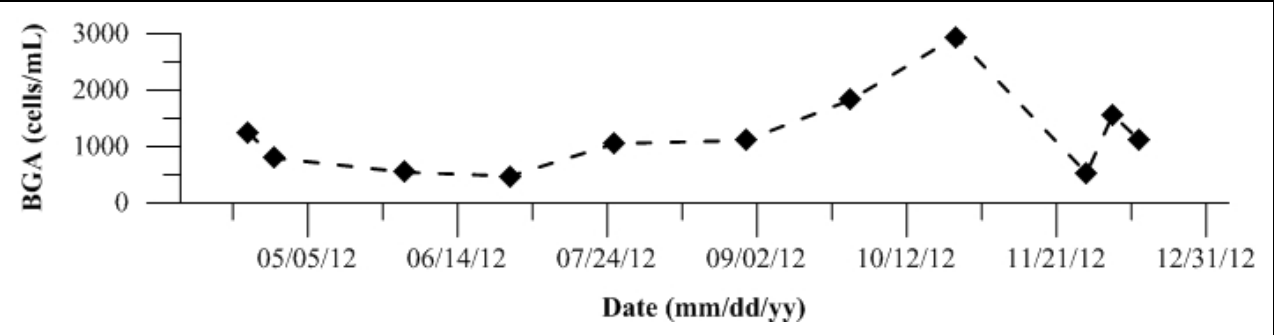


Figure 1224: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

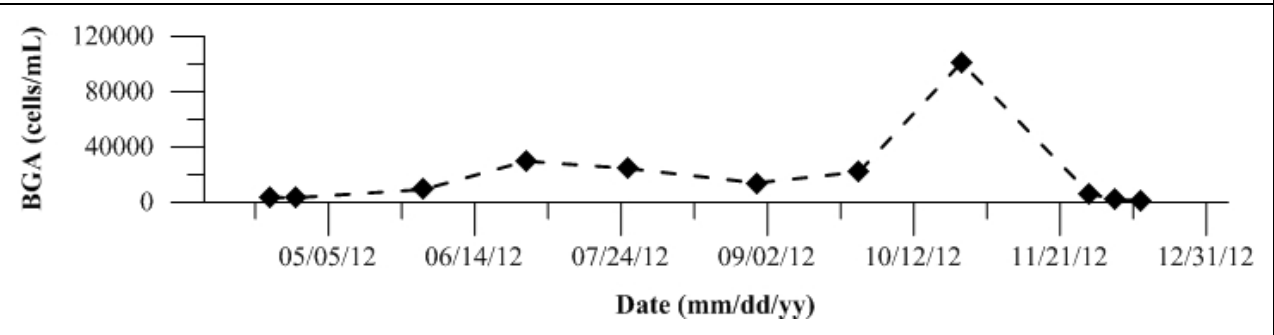


Figure 1225: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

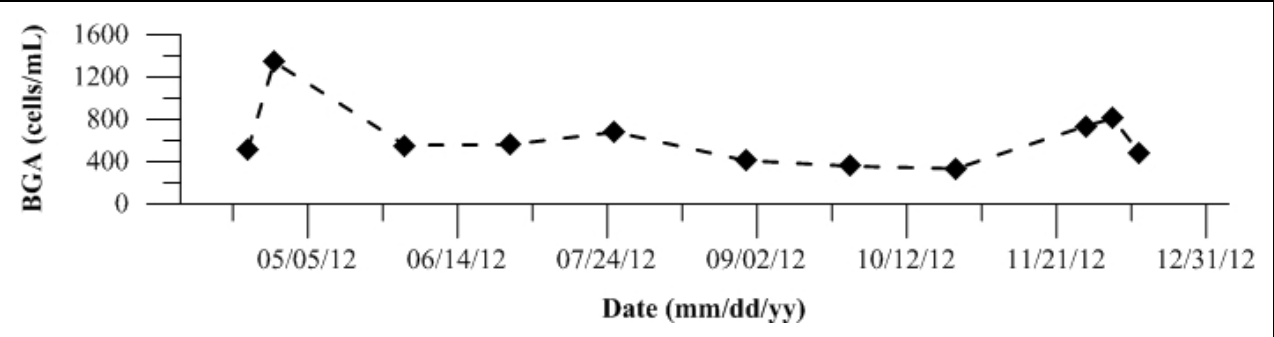


Figure 1226: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

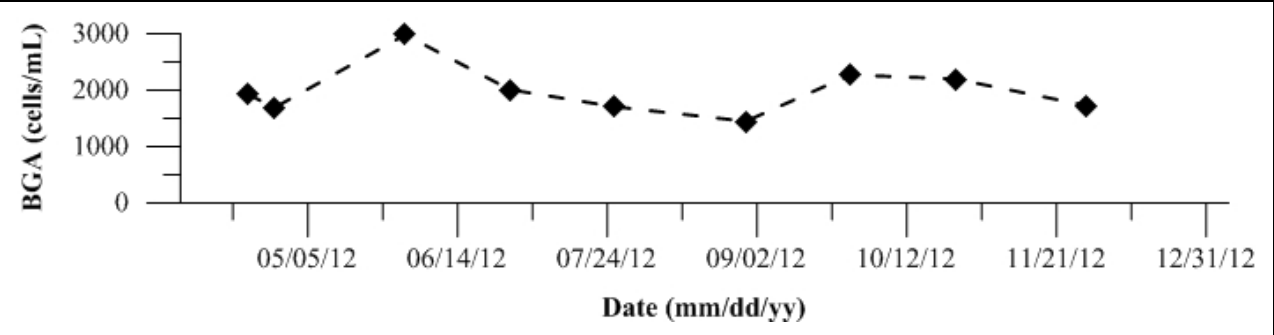


Figure 1227: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

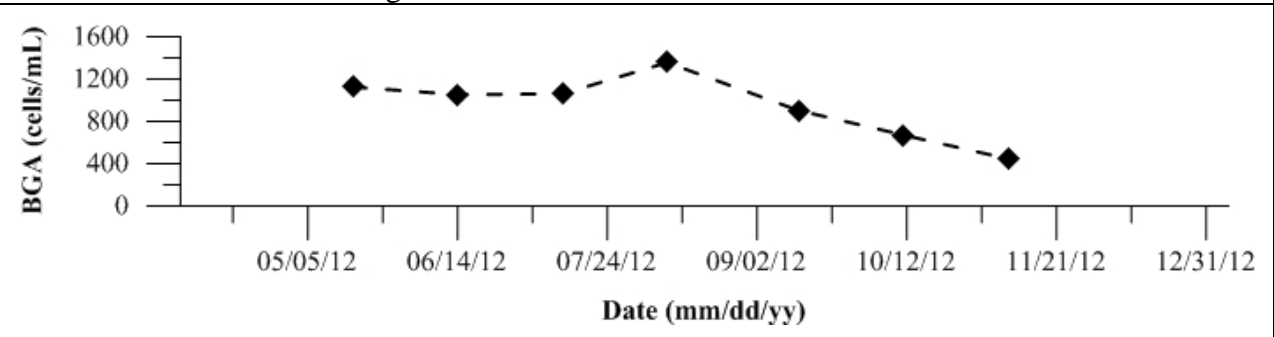


Figure 1228: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

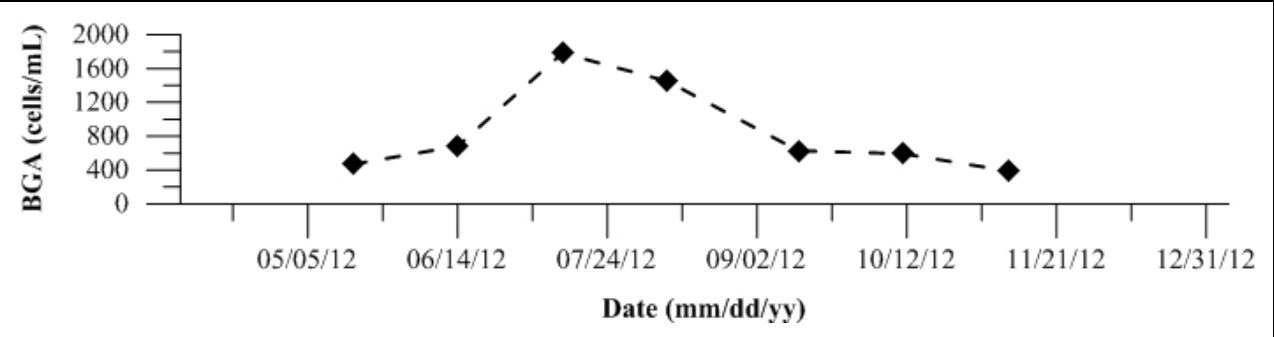


Figure 1229: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

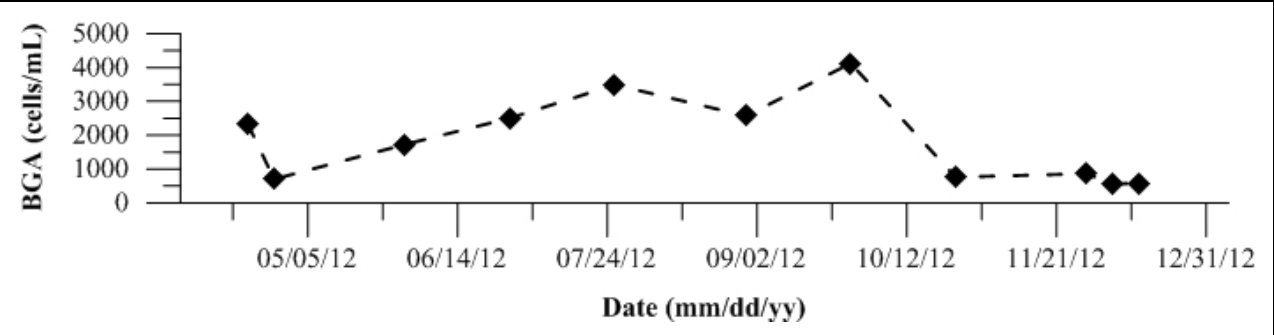


Figure 1230: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

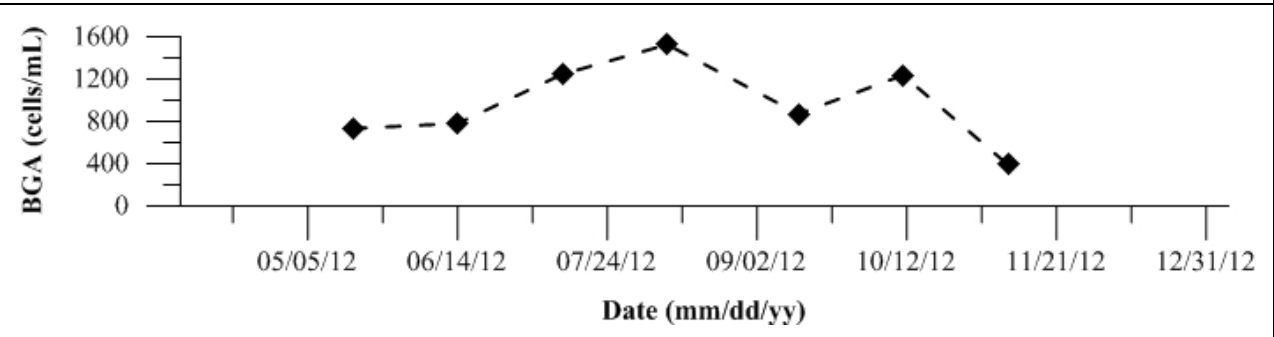


Figure 1231: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

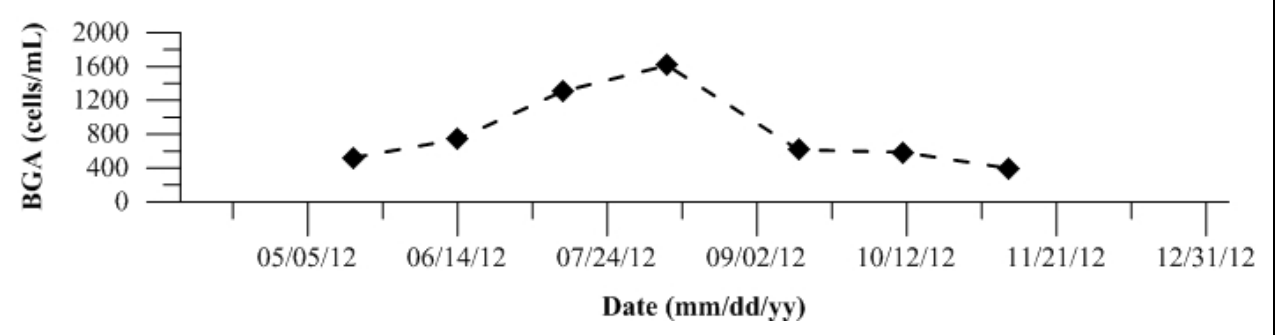
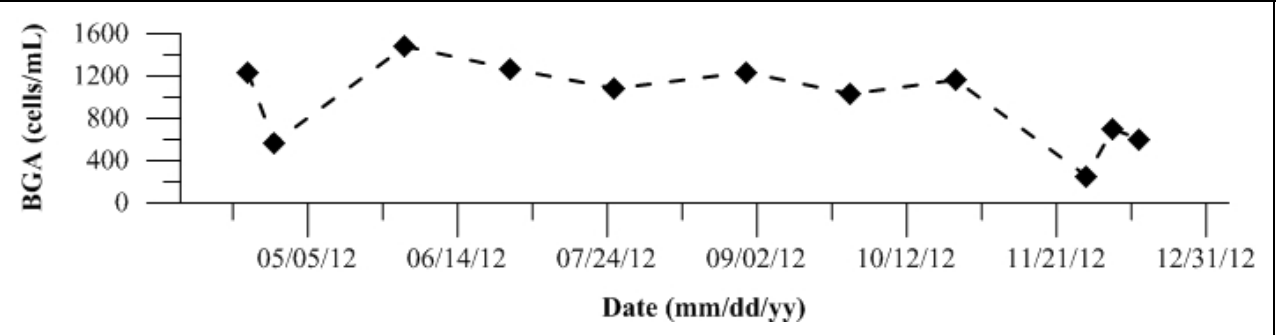


Figure 1232: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1233-1258: Temporal plots of phycocyanin Blue-Green Algae (BGA) in Relative Fluorescence Units (RFU) by Site ID

Figure 1233: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 2 SJR at Dos Reis Park. Data collected in 2012.

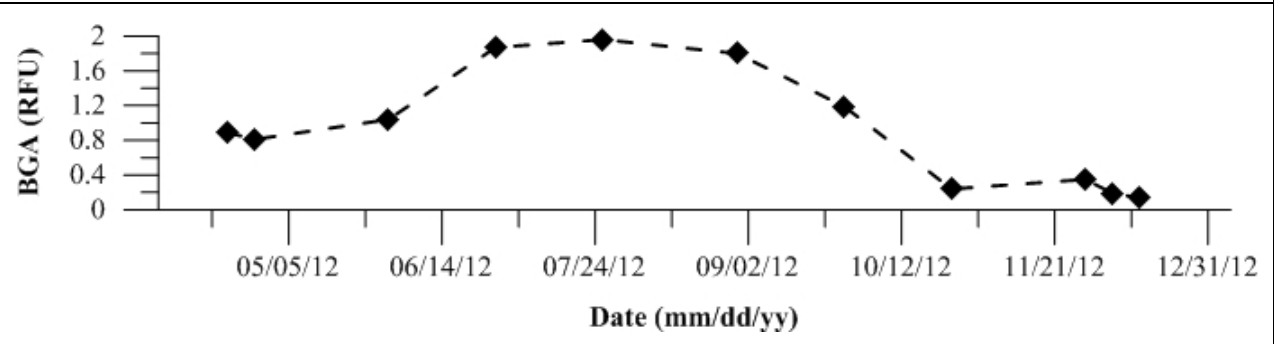


Figure 1234: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 4 SJR at Mossdale. Data collected in 2012.

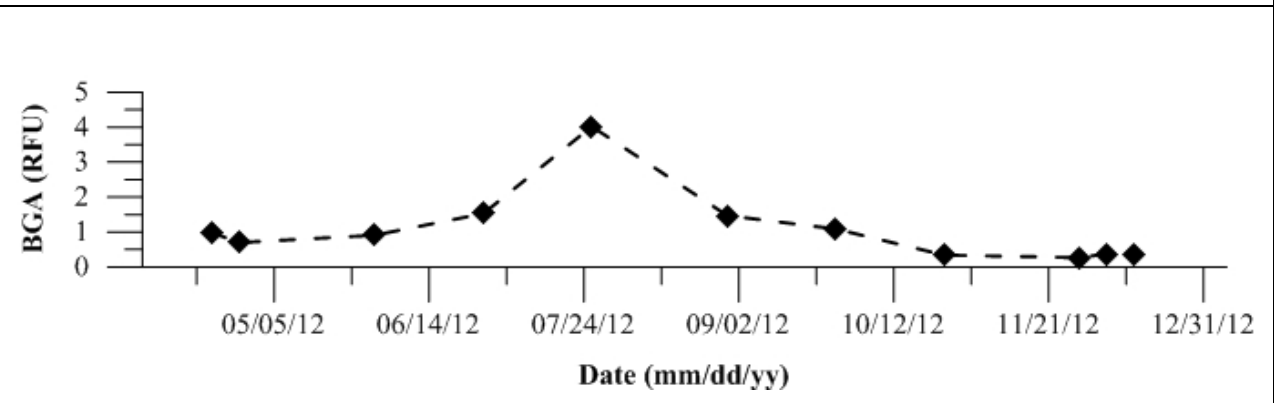


Figure 1235: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 7 SJR at Patterson. Data collected in 2012.

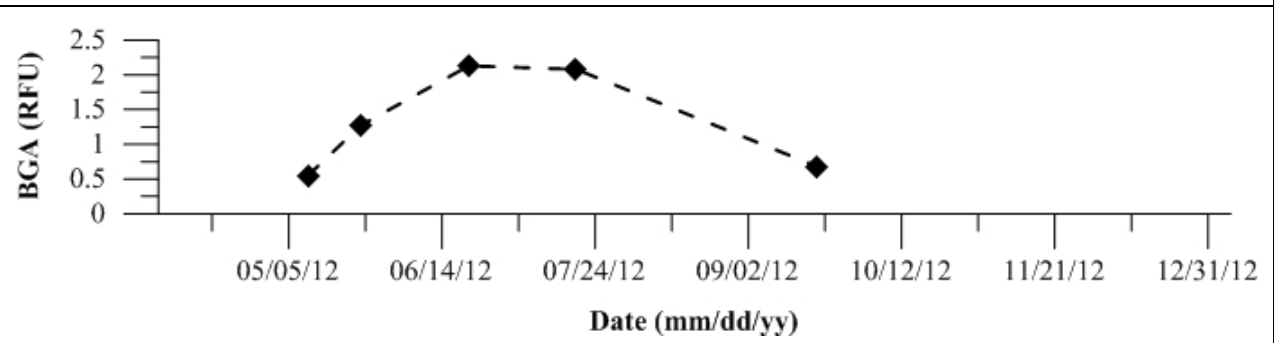


Figure 1236: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 10 SJR at Lander Avenue. Data collected in 2012.

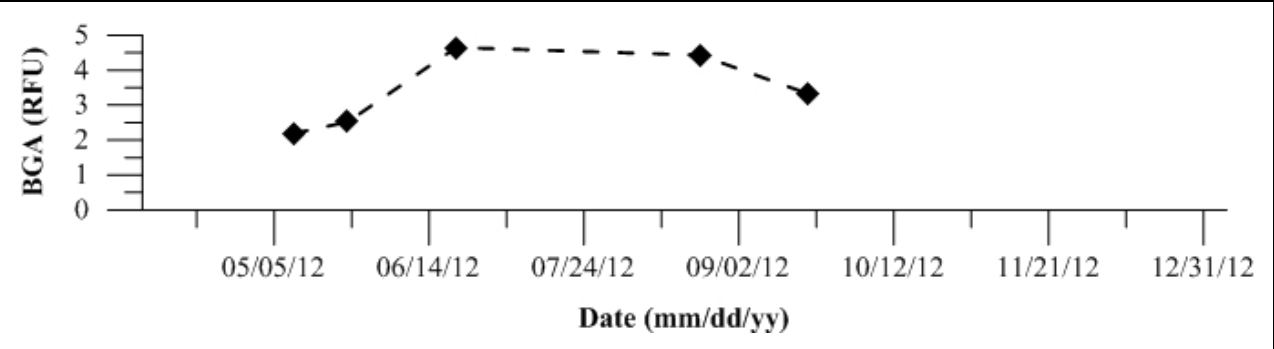


Figure 1237: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 11 French Camp Slough. Data collected in 2012.

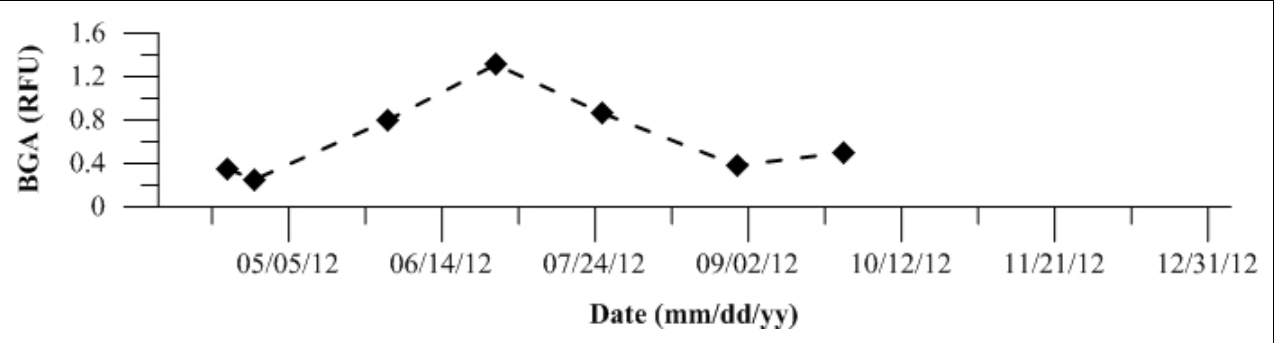


Figure 1238: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 16 Merced River at River Road. Data collected in 2012.

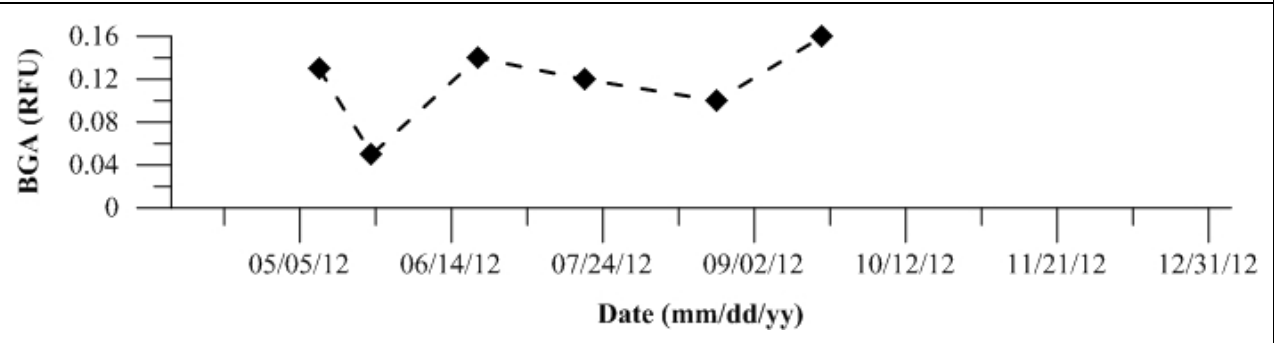


Figure 1239: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 18 Mud Slough near Gustine. Data collected in 2012.

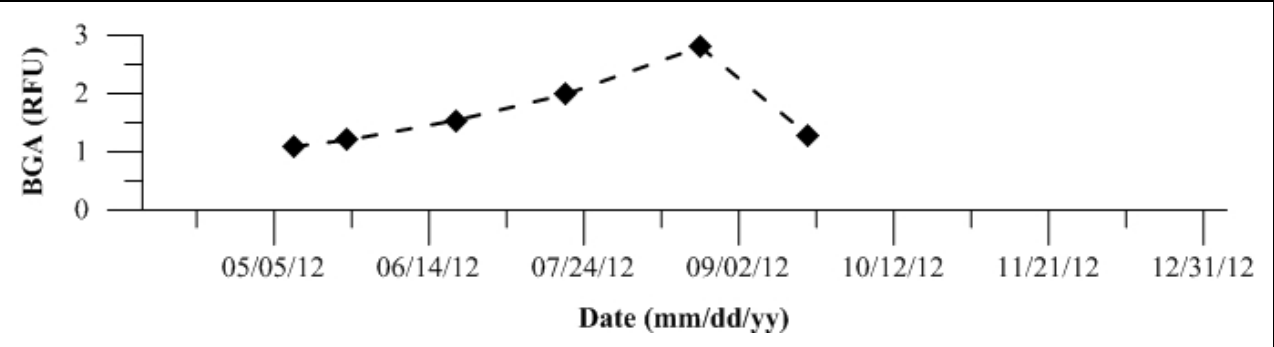


Figure 1240: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

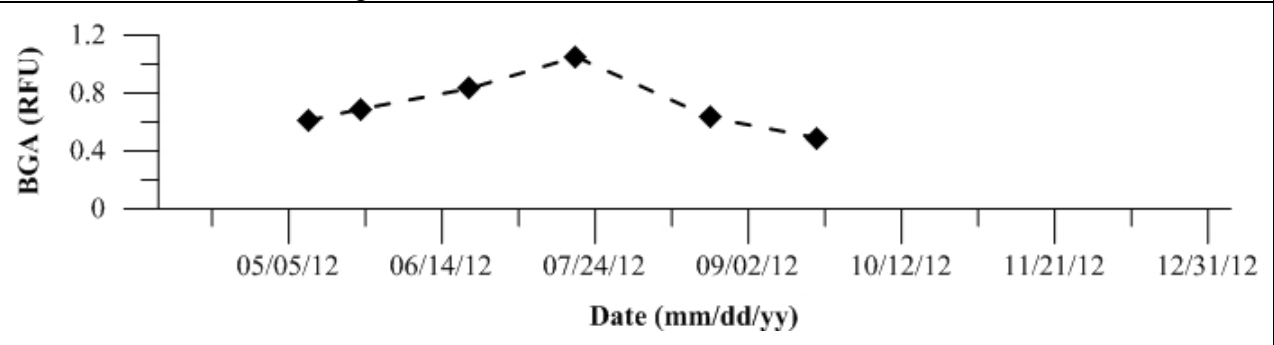


Figure 1241: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 21 Orestimba Creek at River Road. Data collected in 2012.

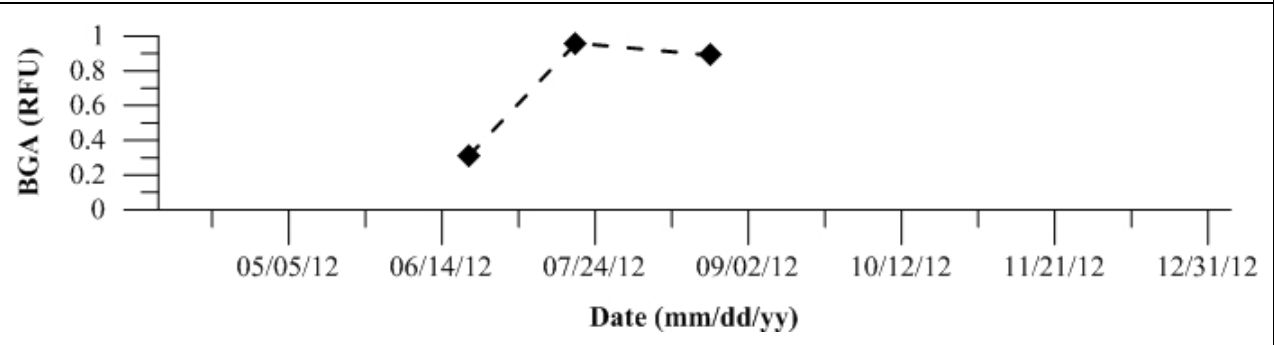


Figure 1242: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

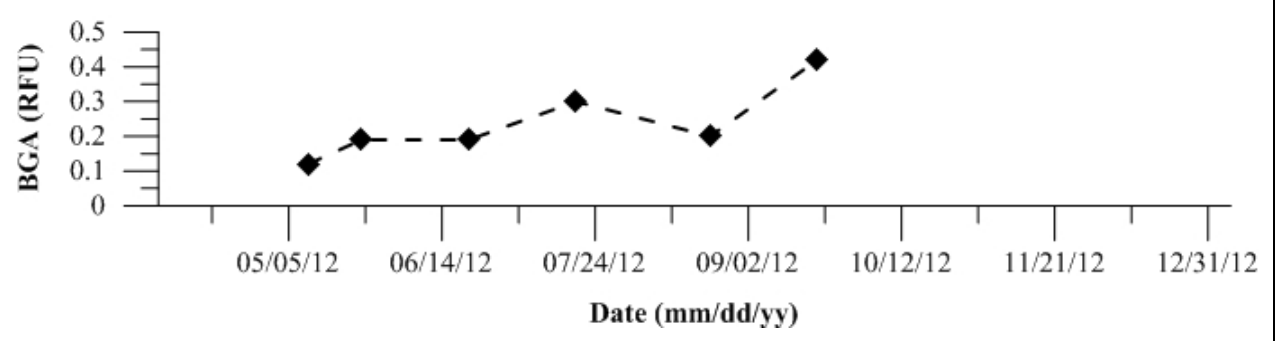


Figure 1243: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 34 Ingram Creek. Data collected in 2012.

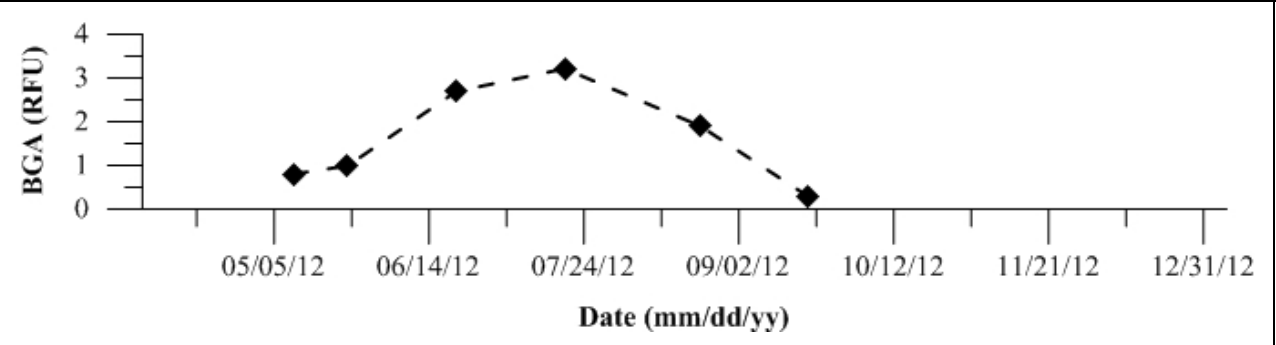


Figure 1244: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 44 San Luis Drain End. Data collected in 2012.

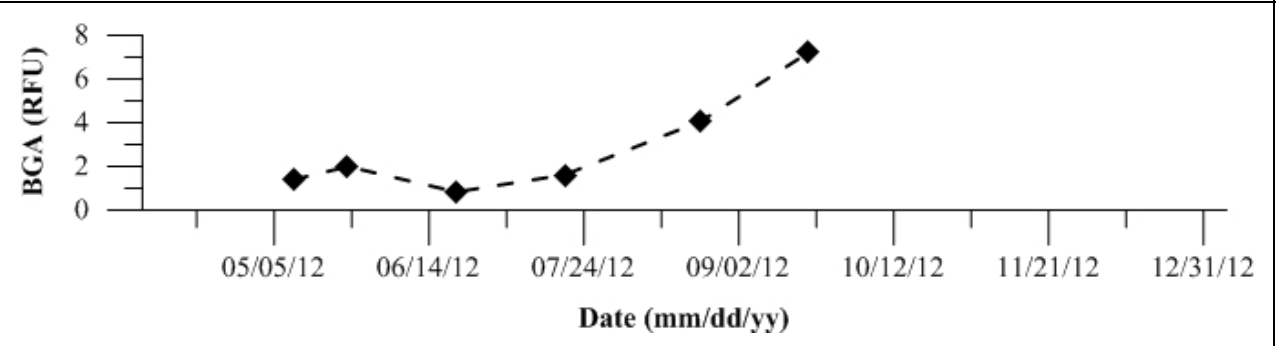


Figure 1245: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 127 SJR at Brant Bridge. Data collected in 2012.

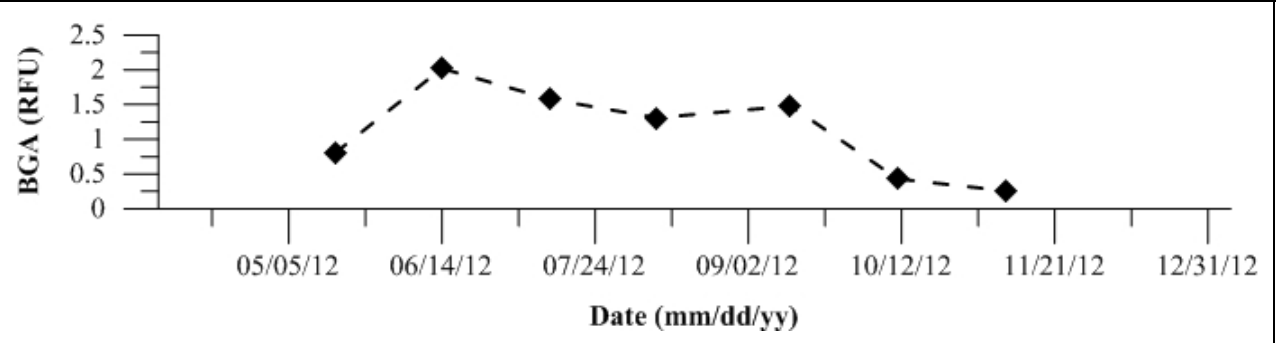


Figure 1246: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 402 Light 18 (Node 96). Data collected in 2012.

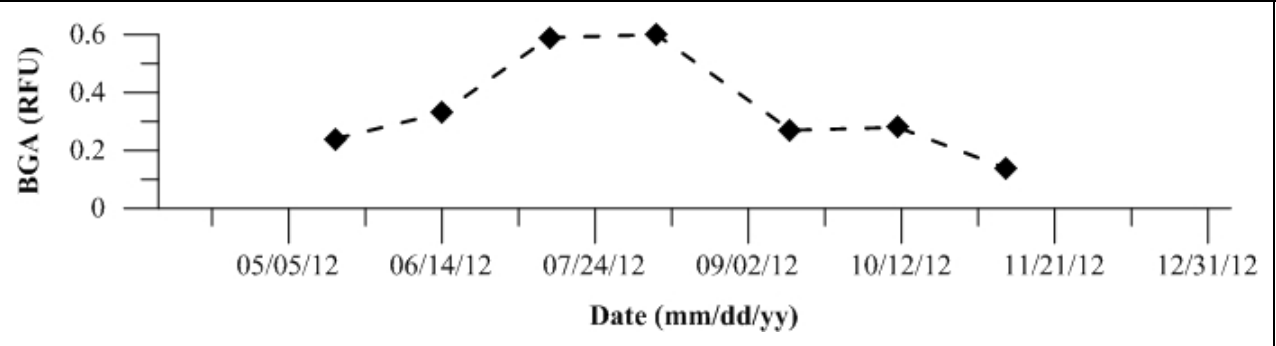


Figure 1247: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 405 Calaveras River. Data collected in 2012.

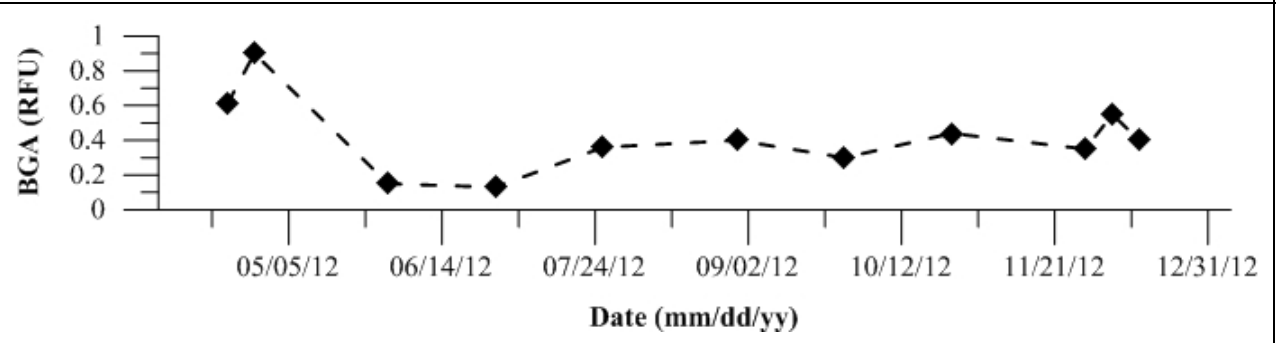


Figure 1248: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

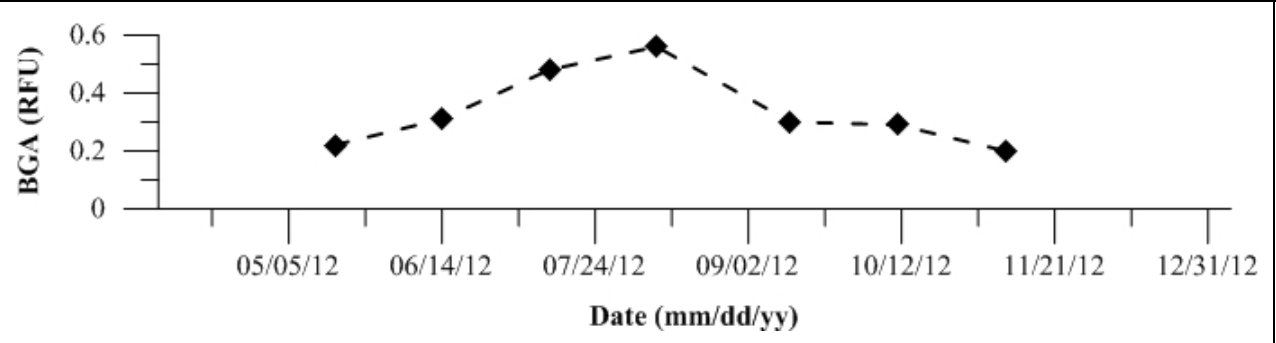


Figure 1249: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

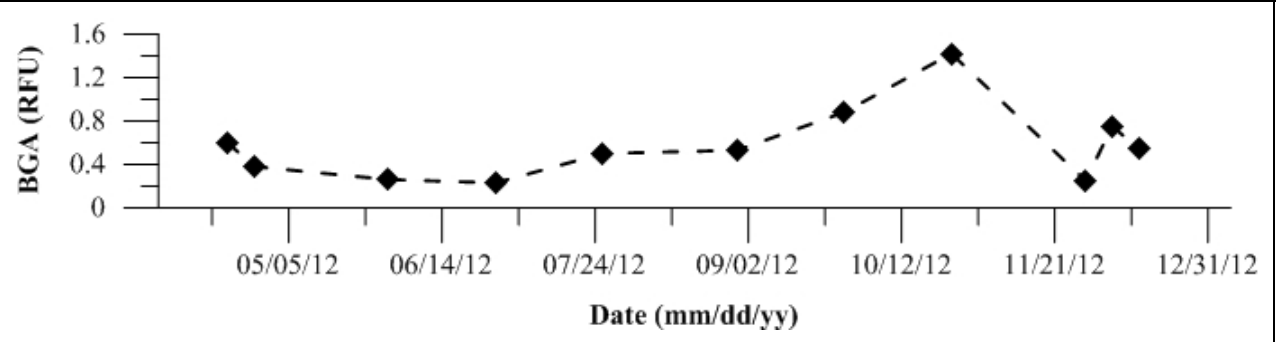


Figure 1250: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

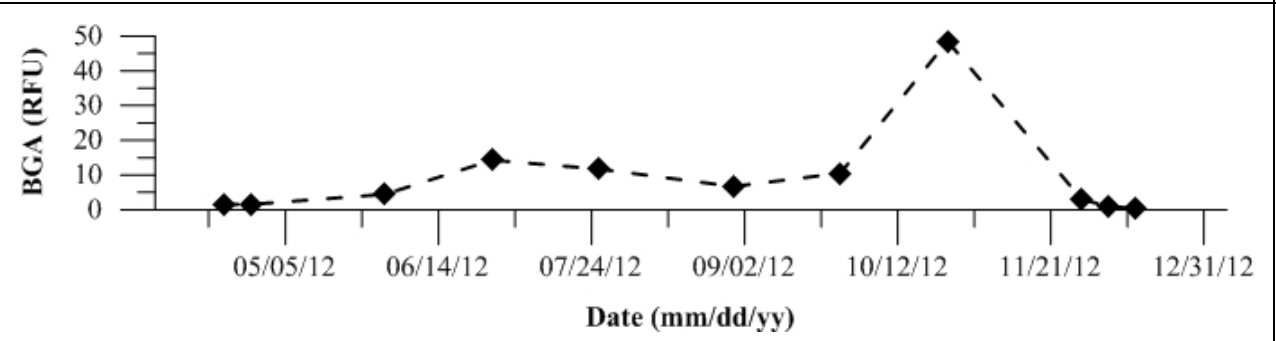


Figure 1251: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

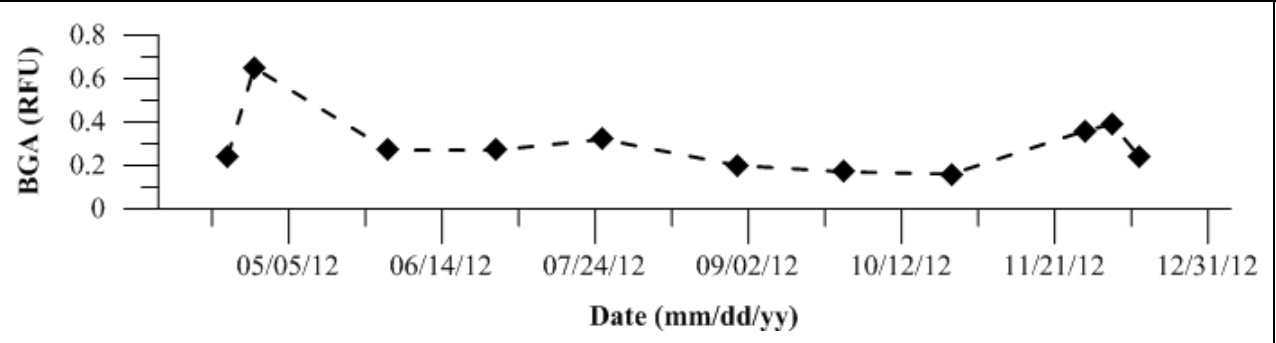


Figure 1252: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

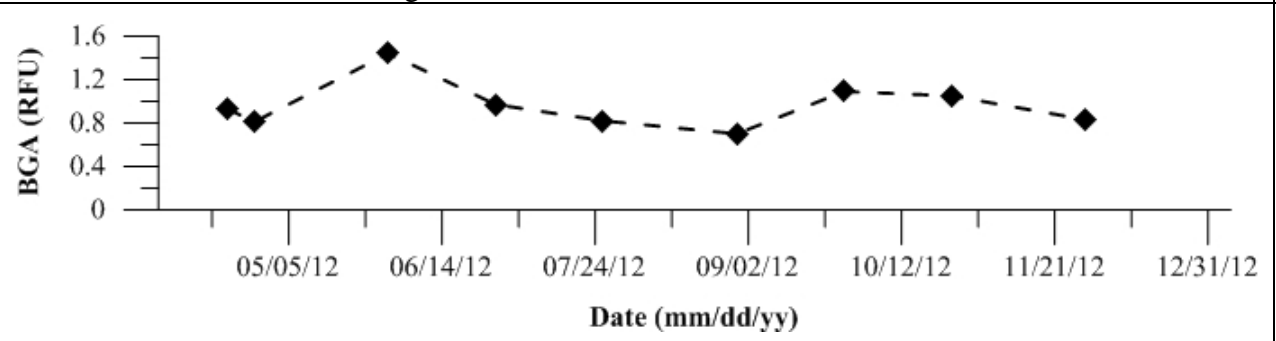


Figure 1253: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 424 14mi Slough. Data collected in 2012.

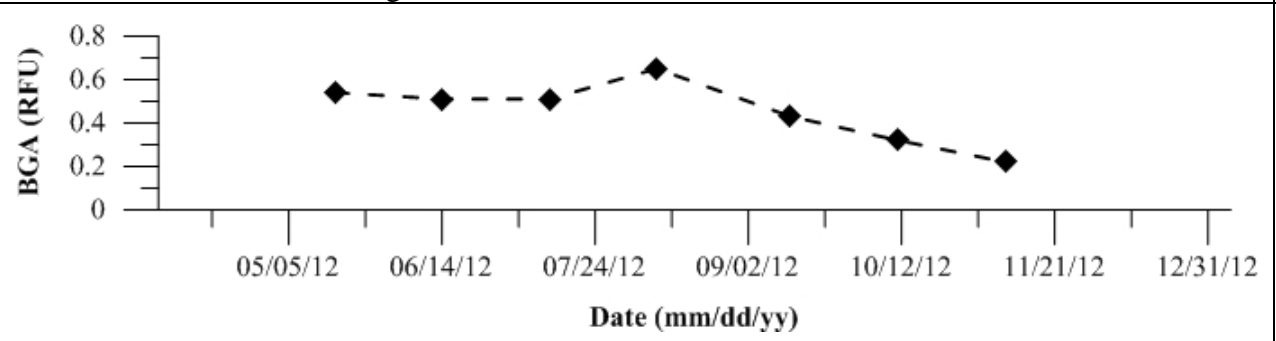


Figure 1254: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 425 Turner Cut. Data collected in 2012.

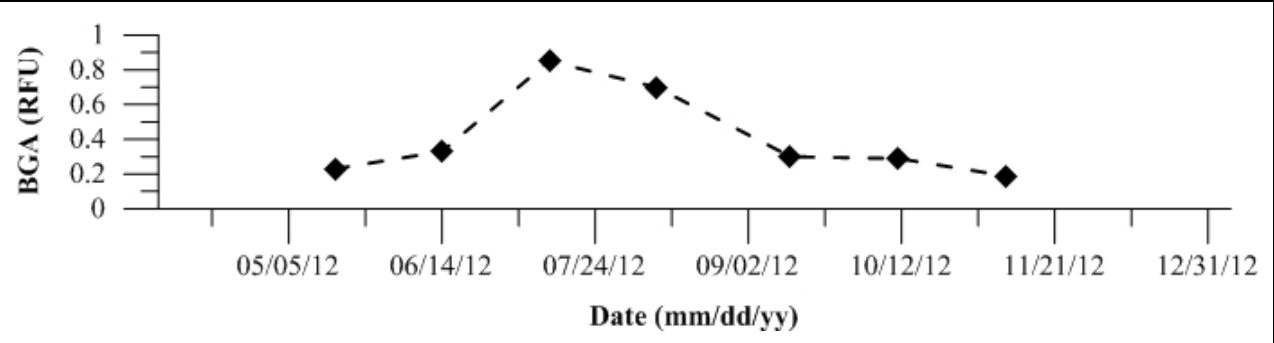


Figure 1255: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

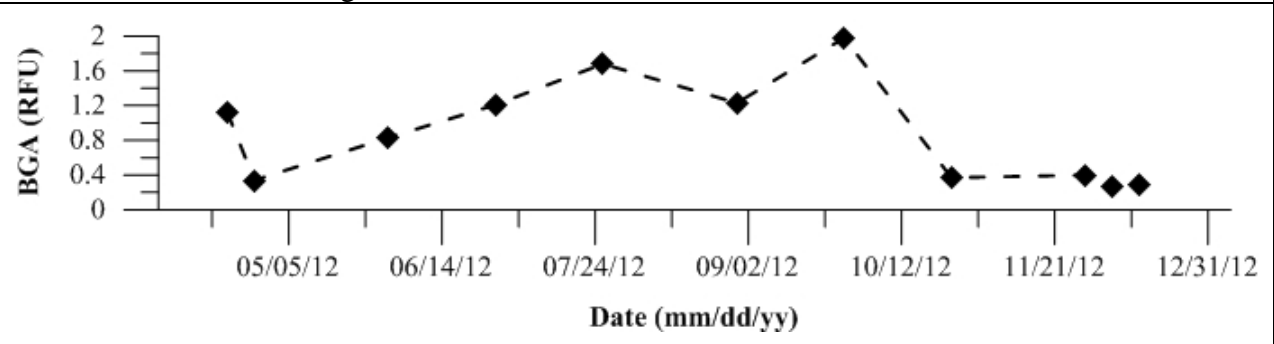


Figure 1256: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 427 RM 39 Near Louis Park. Data collected in 2012.

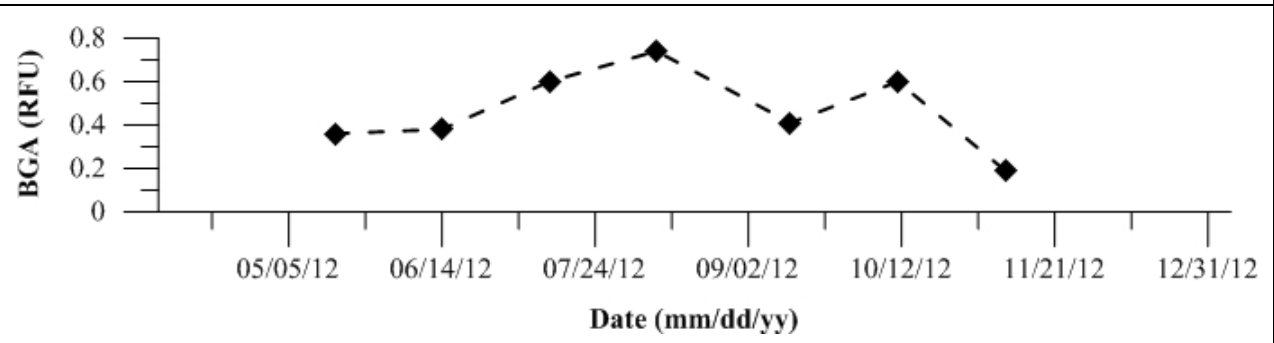


Figure 1257: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

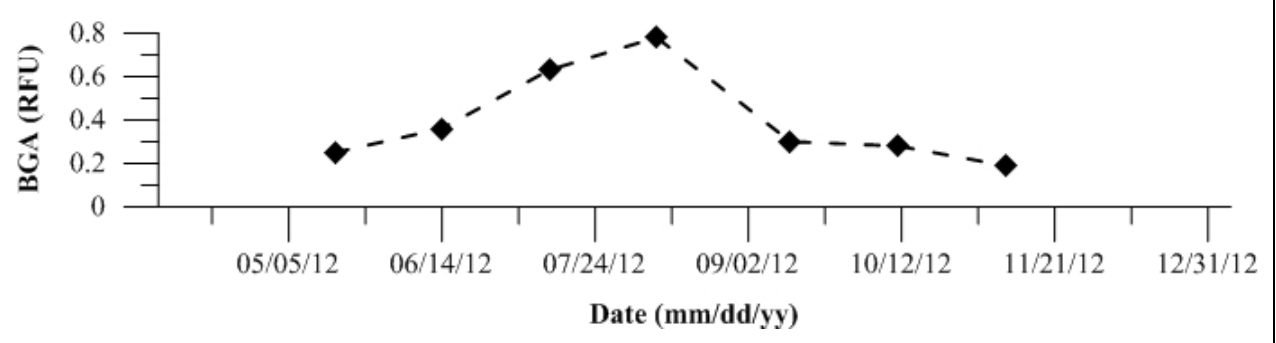
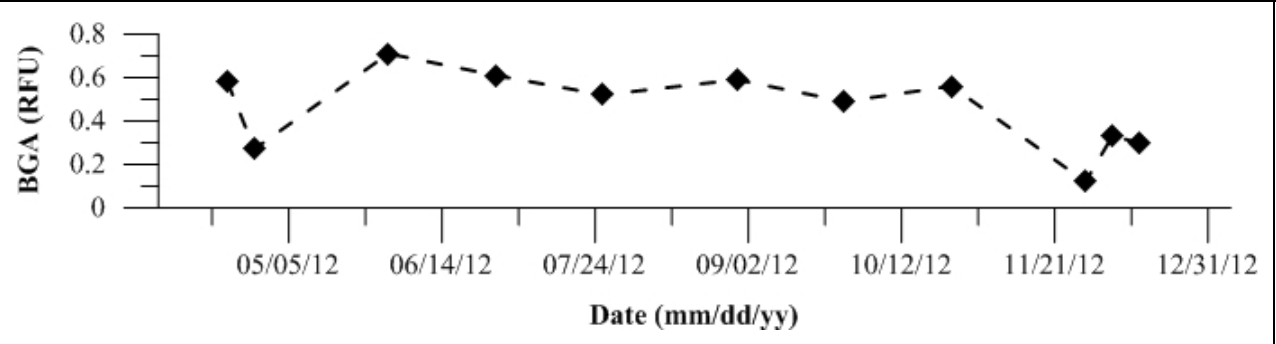


Figure 1258: Grab sample phycocyanin blue-green algae (BGA) taken with a YSI 6600V2 data sonde for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1259-1284: Temporal plots of total alkalinity by Site ID

Figure 1259: Total alkalinity in milligrams CaCO_3 per liter for Site 2 SJR at Dos Reis Park. Data collected in 2012.

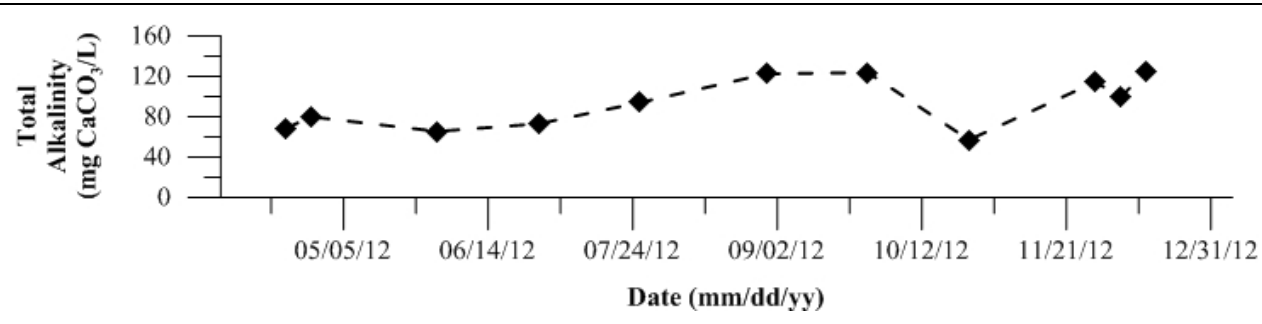


Figure 1260: Total alkalinity in milligrams CaCO_3 per liter for Site 4 SJR at Mossdale. Data collected in 2012.

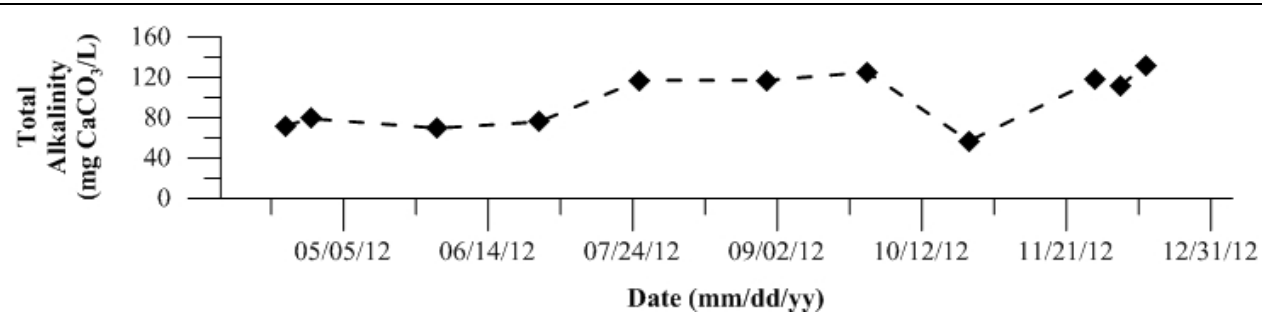


Figure 1261: Total alkalinity in milligrams CaCO_3 per liter for Site 7 SJR at Patterson. Data collected in 2012.

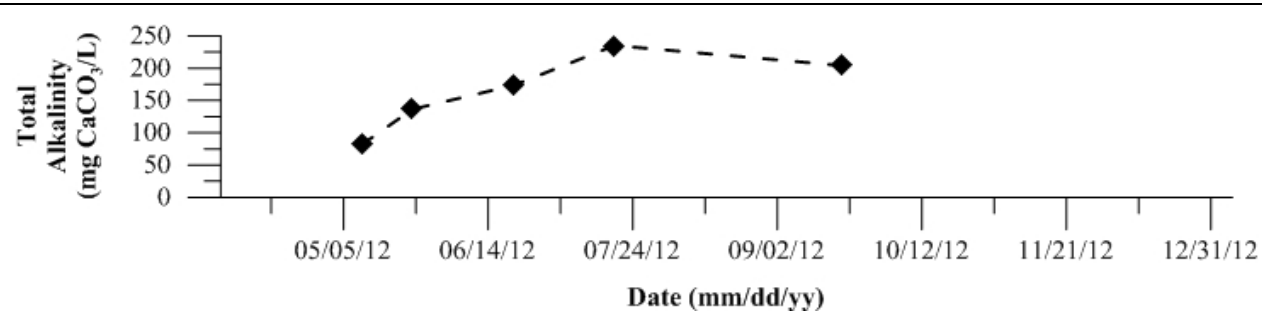


Figure 1262: Total alkalinity in milligrams CaCO_3 per liter for Site 10 SJR at Lander Avenue. Data collected in 2012.

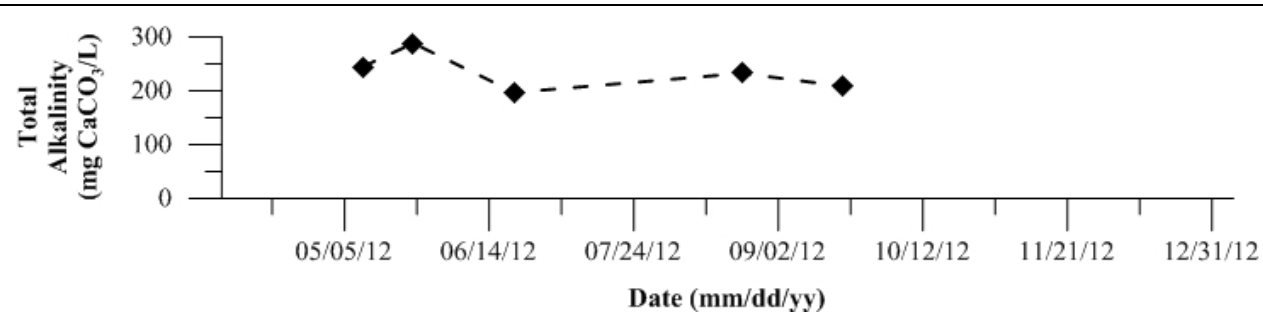


Figure 1263: Total alkalinity in milligrams CaCO_3 per liter for Site 11 French Camp Slough. Data collected in 2012.

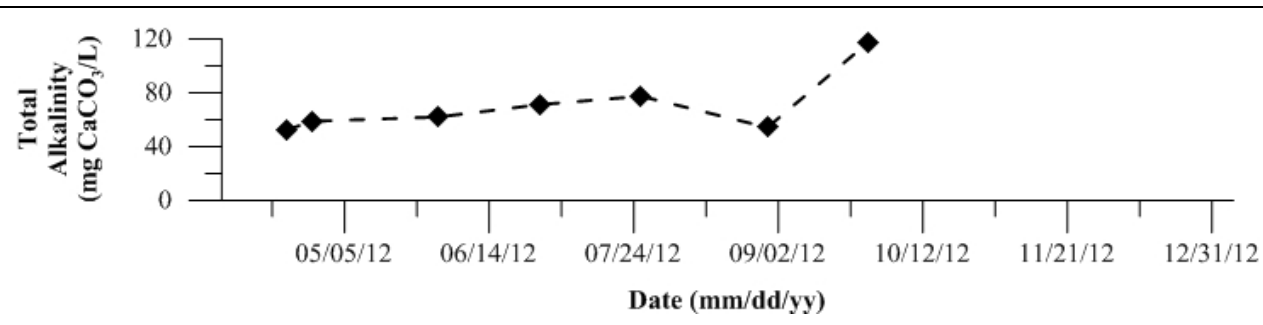


Figure 1264: Total alkalinity in milligrams CaCO_3 per liter for Site 16 Merced River at River Road. Data collected in 2012.

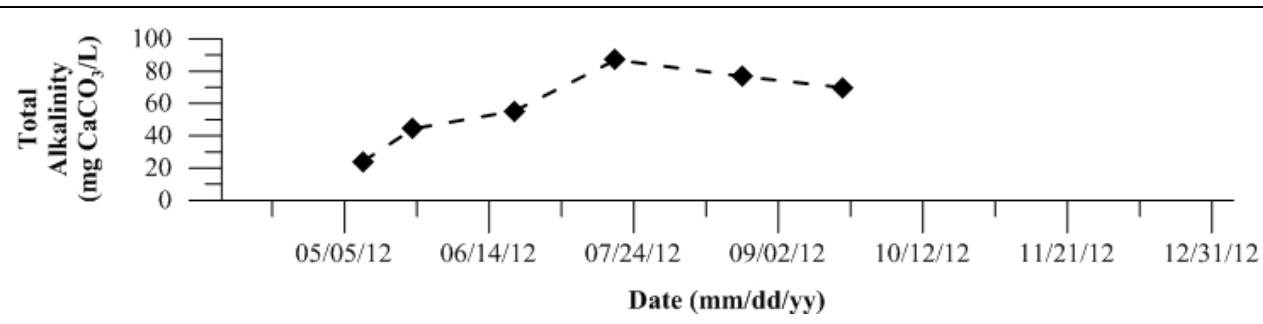


Figure 1265: Total alkalinity in milligrams CaCO_3 per liter for Site 18 Mud Slough near Gustine. Data collected in 2012.

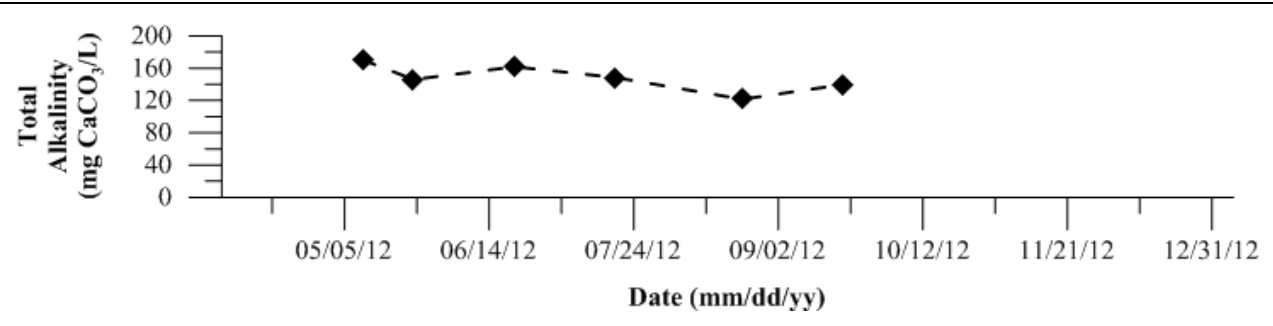


Figure 1266: Total alkalinity in milligrams CaCO_3 per liter for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

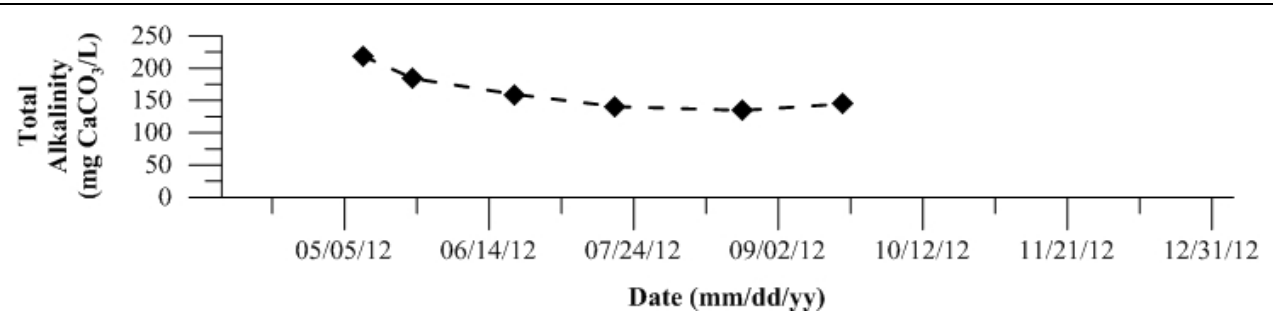


Figure 1267: Total alkalinity in milligrams CaCO_3 per liter for Site 21 Orestimba Creek at River Road. Data collected in 2012.

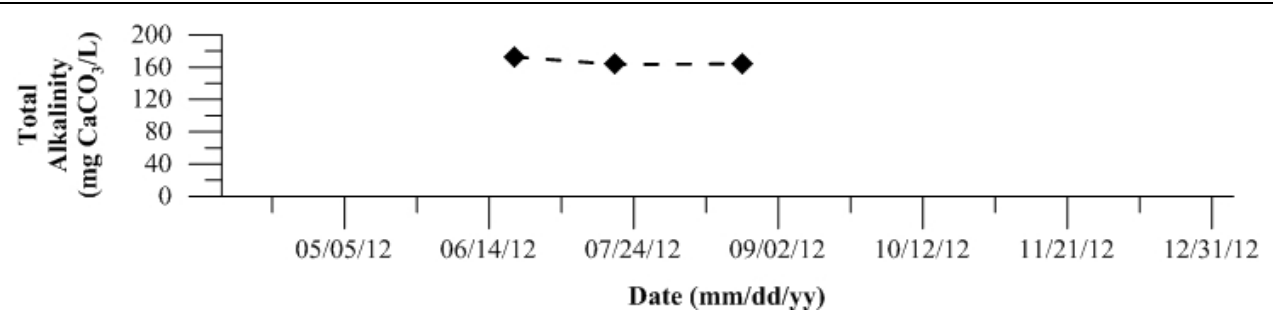


Figure 1268: Total alkalinity in milligrams CaCO_3 per liter for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

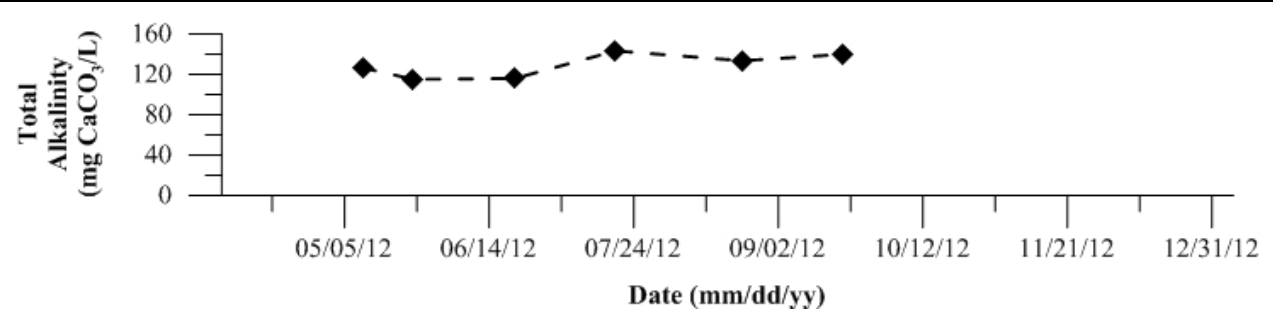


Figure 1269: Total alkalinity in milligrams CaCO_3 per liter for Site 34 Ingram Creek. Data collected in 2012.

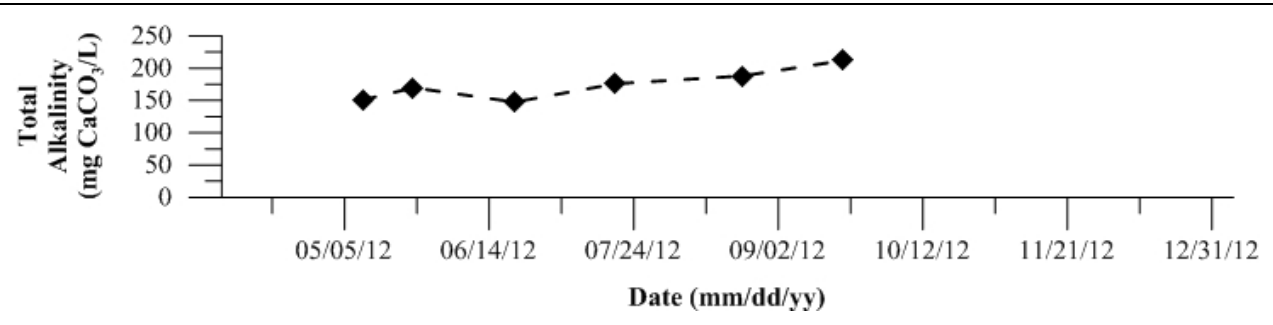


Figure 1270: Total alkalinity in milligrams CaCO_3 per liter for Site 44 San Luis Drain End. Data collected in 2012.

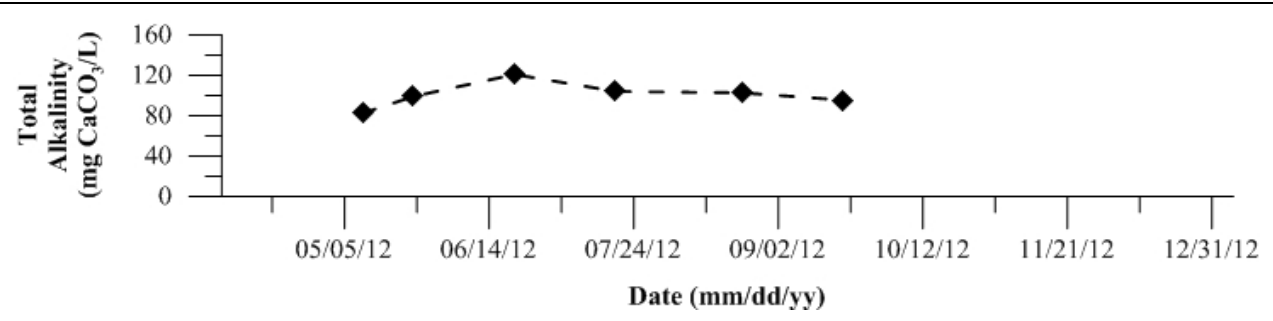


Figure 1271: Total alkalinity in milligrams CaCO_3 per liter for Site 127 SJR at Brant Bridge. Data collected in 2012.

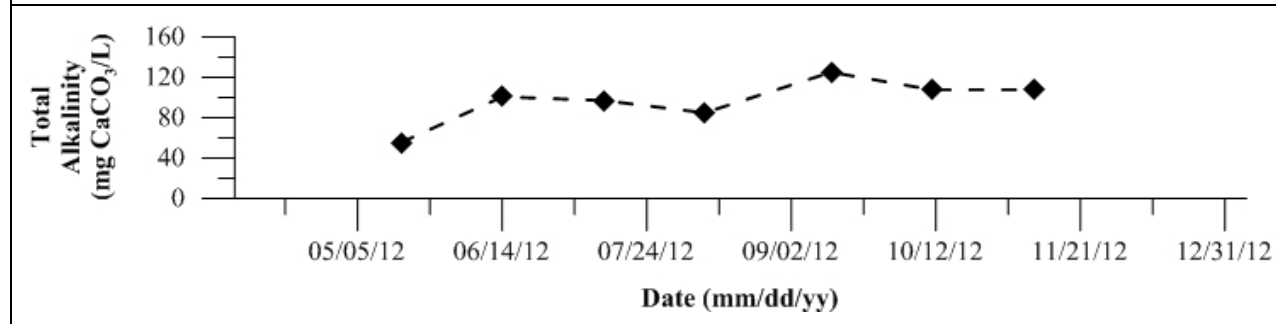


Figure 1272: Total alkalinity in milligrams CaCO_3 per liter for Site 402 Light 18 (Node 96). Data collected in 2012.

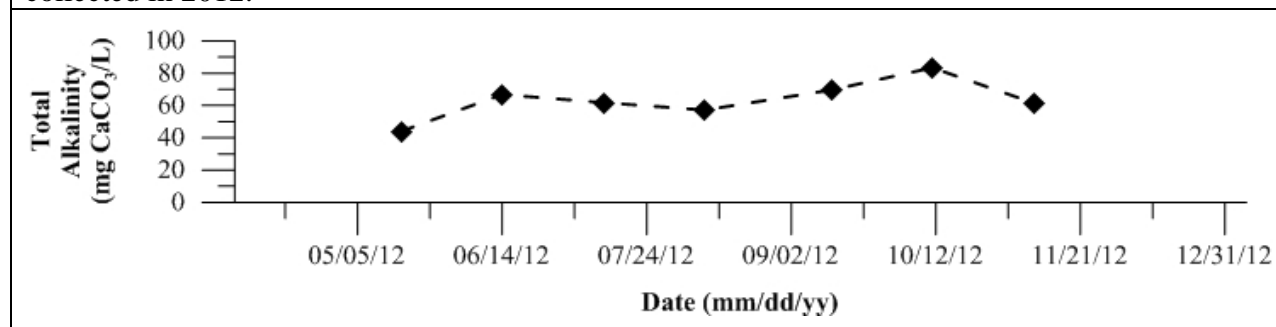


Figure 1273: Total alkalinity in milligrams CaCO_3 per liter for Site 405 Calaveras River. Data collected in 2012.

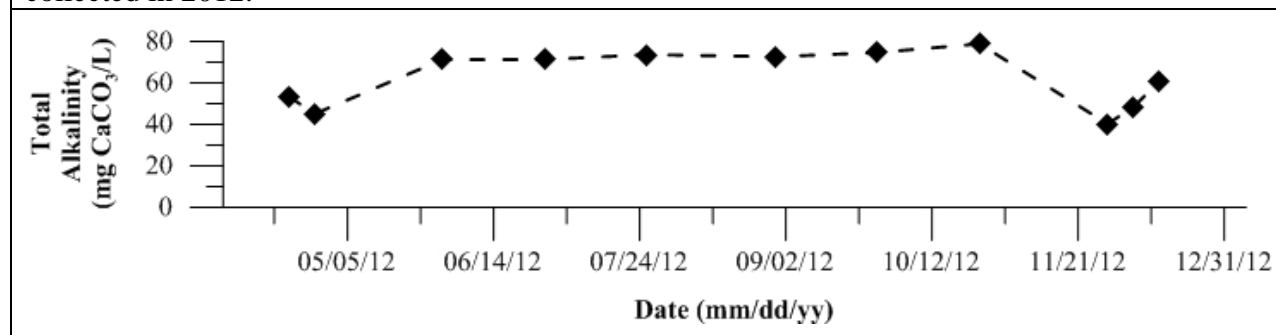


Figure 1274: Total alkalinity in milligrams CaCO_3 per liter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

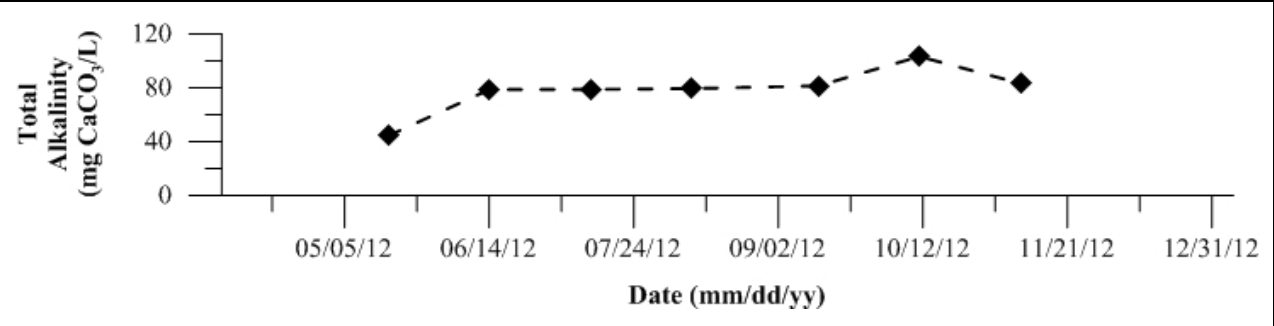


Figure 1275: Total alkalinity in milligrams CaCO_3 per liter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

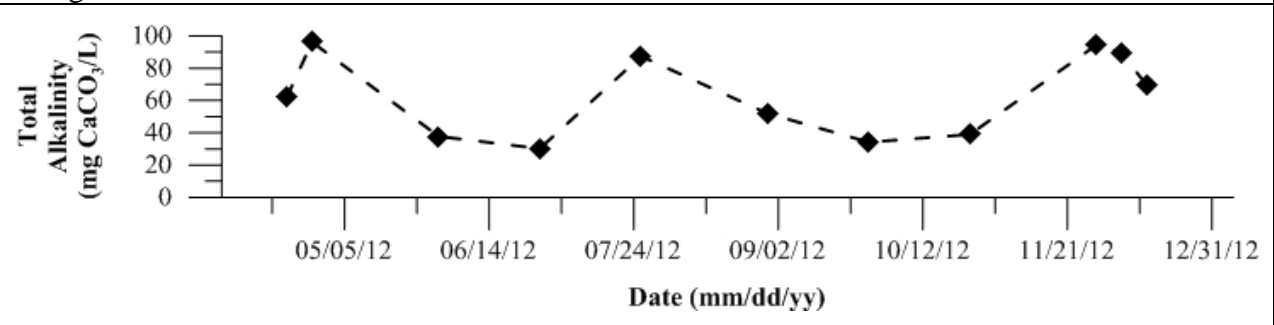


Figure 1276: Total alkalinity in milligrams CaCO_3 per liter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

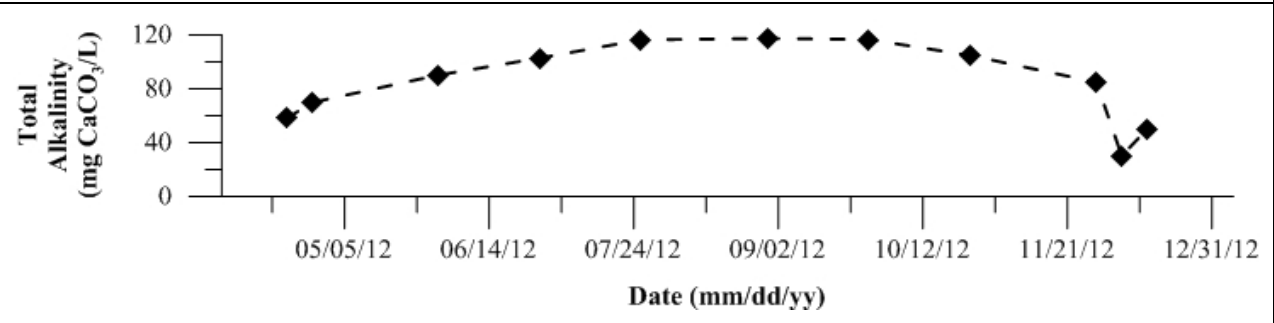


Figure 1277: Total alkalinity in milligrams CaCO_3 per liter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

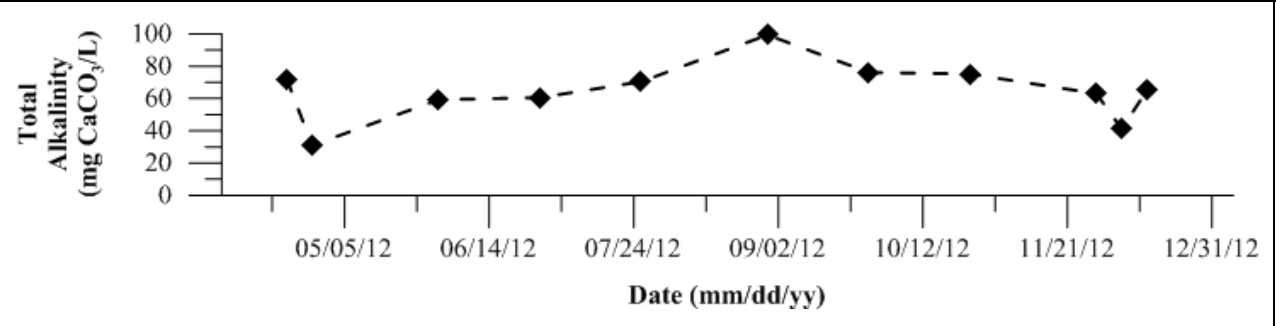


Figure 1278: Total alkalinity in milligrams CaCO_3 per liter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

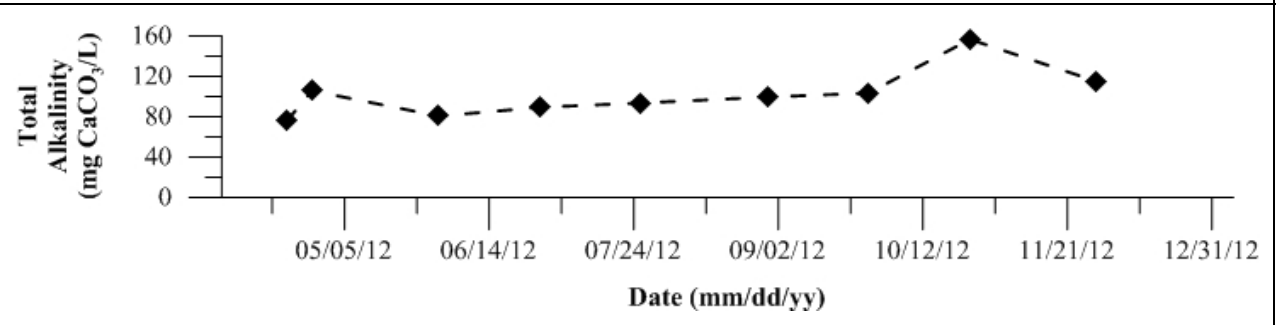


Figure 1279: Total alkalinity in milligrams CaCO_3 per liter for Site 424 14mi Slough. Data collected in 2012.

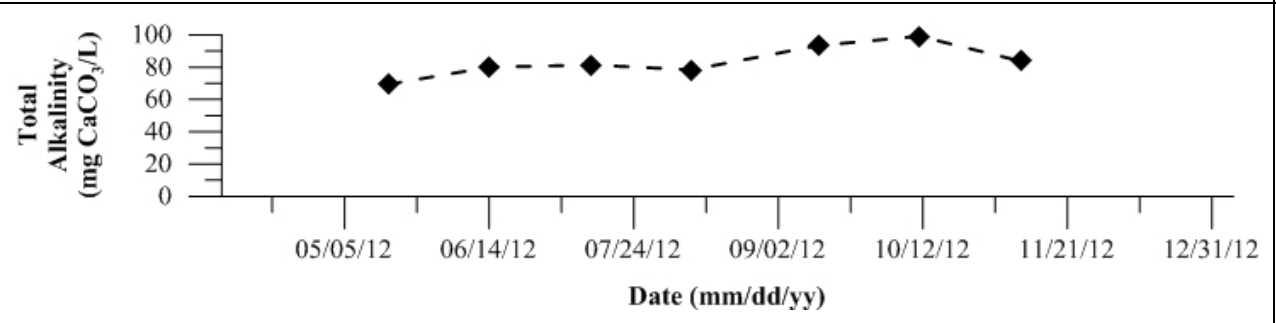


Figure 1280: Total alkalinity in milligrams CaCO_3 per liter for Site 425 Turner Cut. Data collected in 2012.

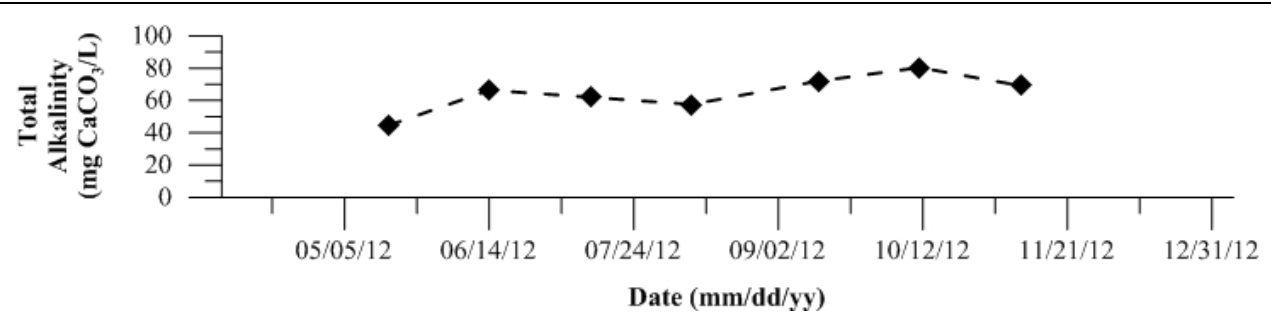


Figure 1281: Total alkalinity in milligrams CaCO_3 per liter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

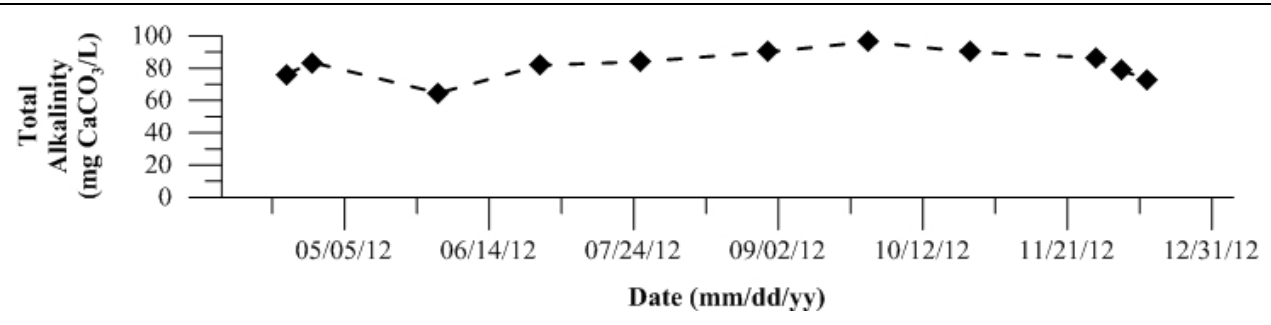


Figure 1282: Total alkalinity in milligrams CaCO_3 per liter for Site 427 RM 39 Near Louis Park. Data collected in 2012.

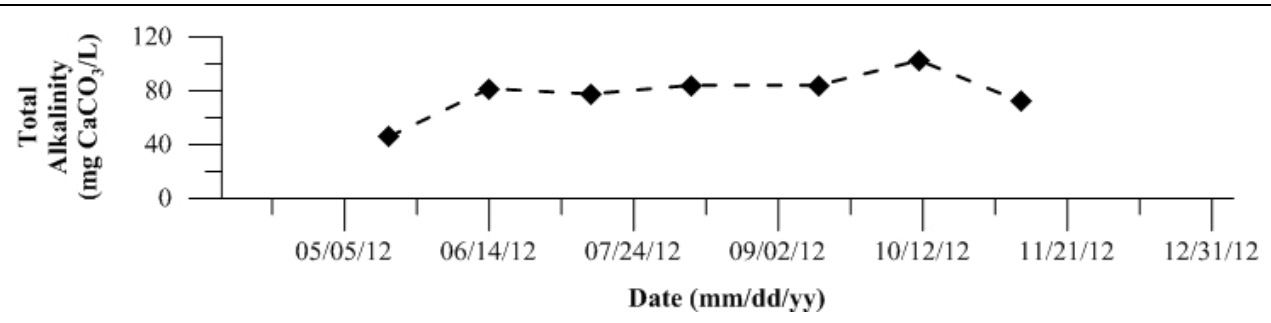


Figure 1283: Total alkalinity in milligrams CaCO_3 per liter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

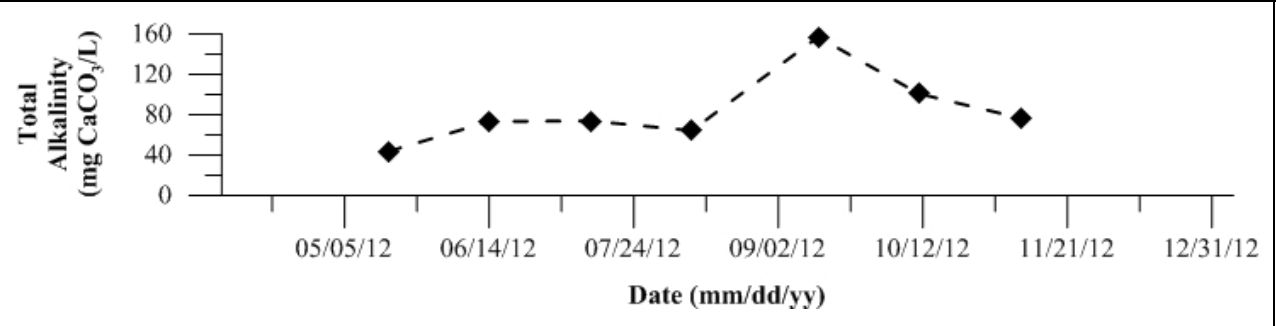
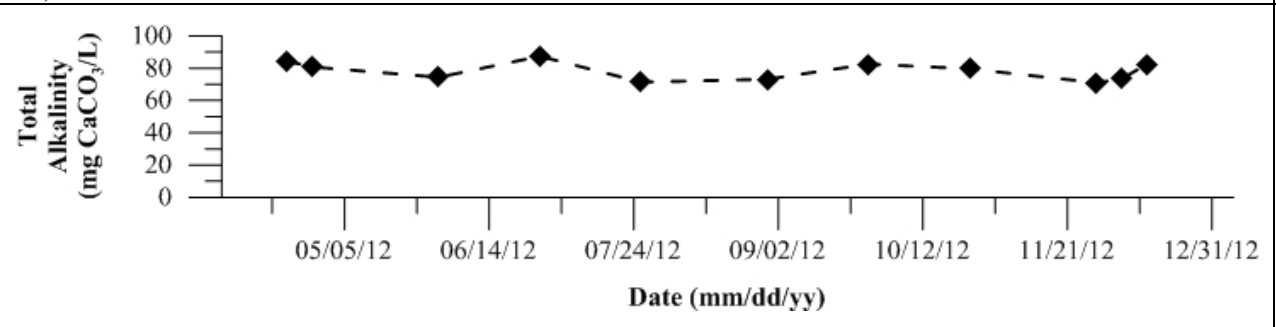


Figure 1284: Total alkalinity in milligrams CaCO_3 per liter for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1285-1310: Temporal plots of phenolphthalein alkalinity by Site ID

Figure 1285: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 2 SJR at Dos Reis Park. Data collected in 2012.

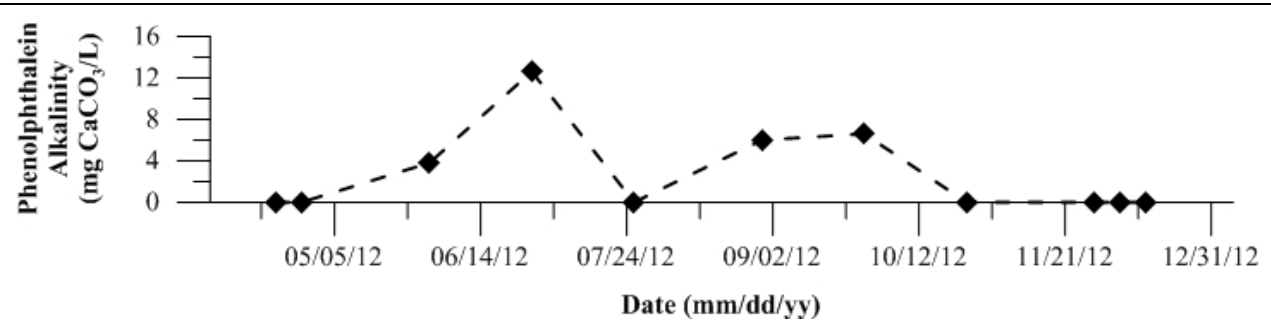


Figure 1286: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 4 SJR at Mossdale. Data collected in 2012.

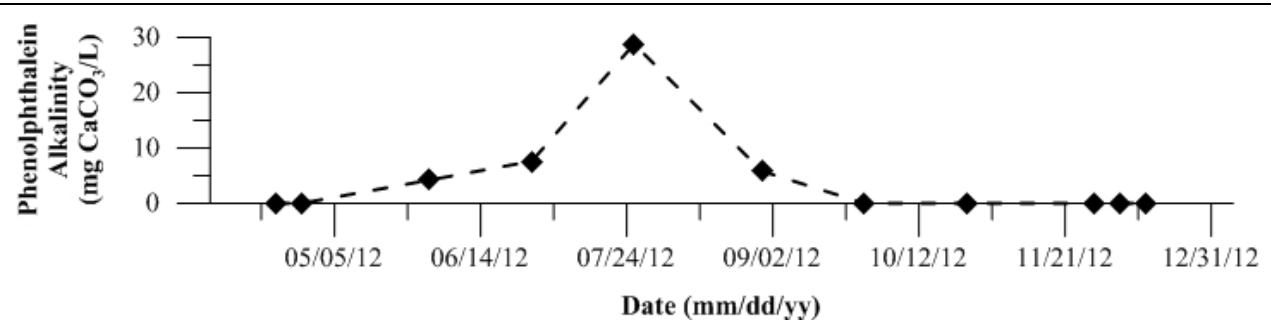


Figure 1287: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 7 SJR at Patterson. Data collected in 2012.

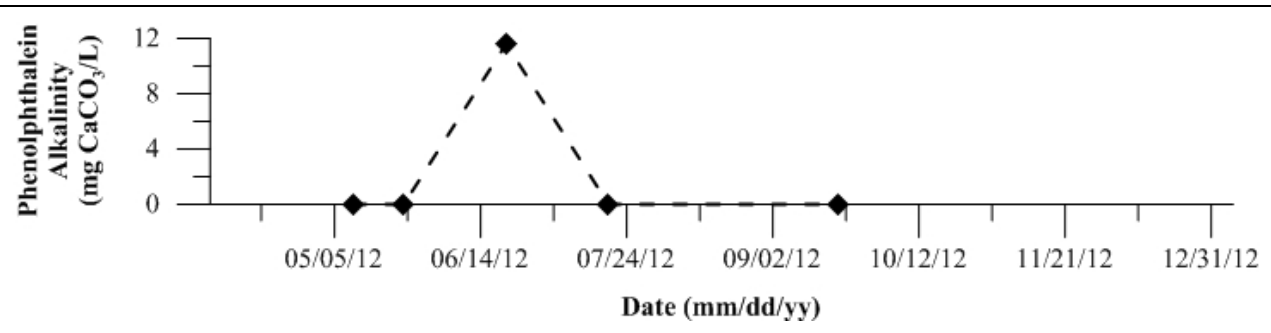


Figure 1288: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 10 SJR at Lander Avenue. Data collected in 2012.

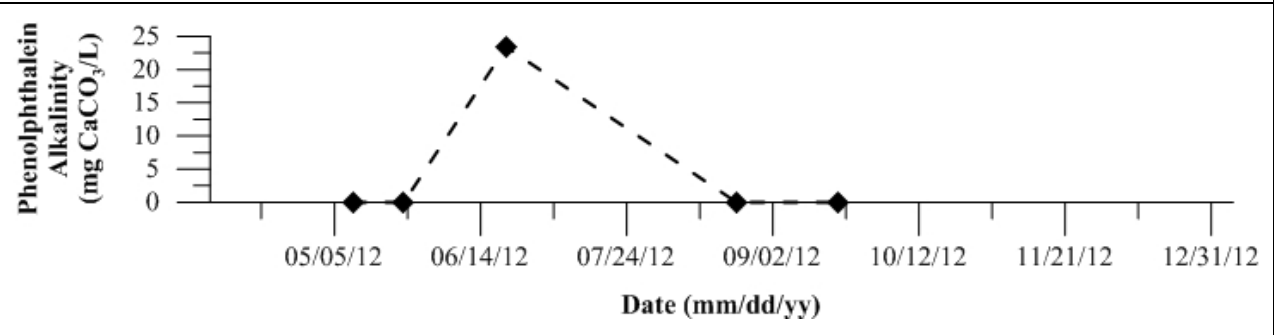


Figure 1289: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 11 French Camp Slough. Data collected in 2012.

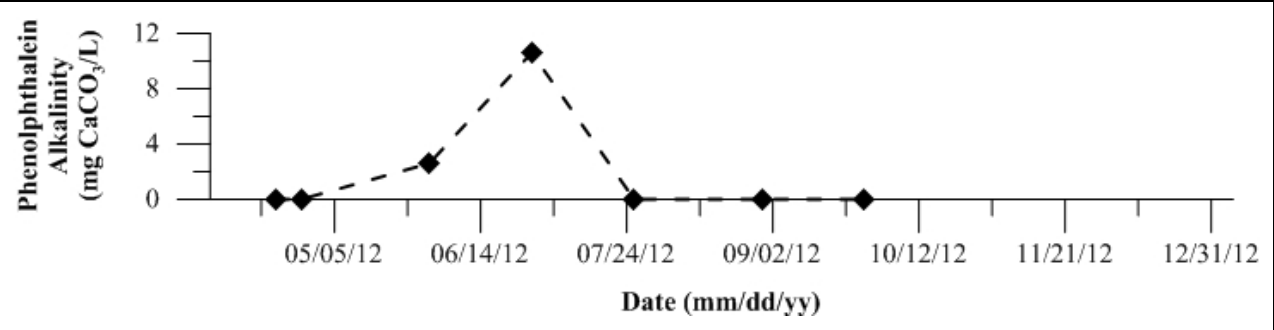


Figure 1290: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 16 Merced River at River Road. Data collected in 2012.

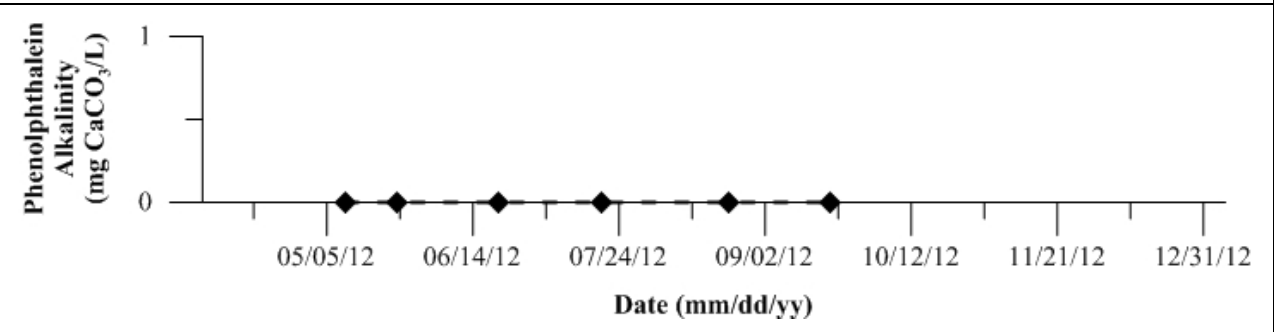


Figure 1291: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 18 Mud Slough near Gustine. Data collected in 2012.

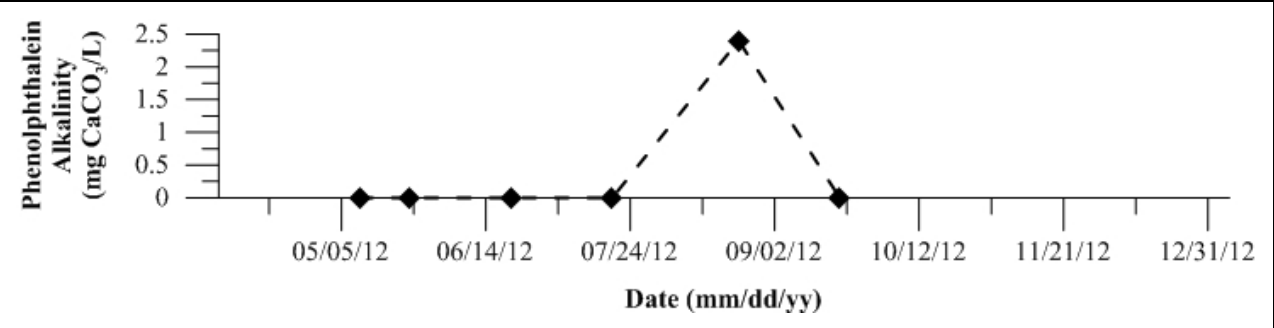


Figure 1292: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

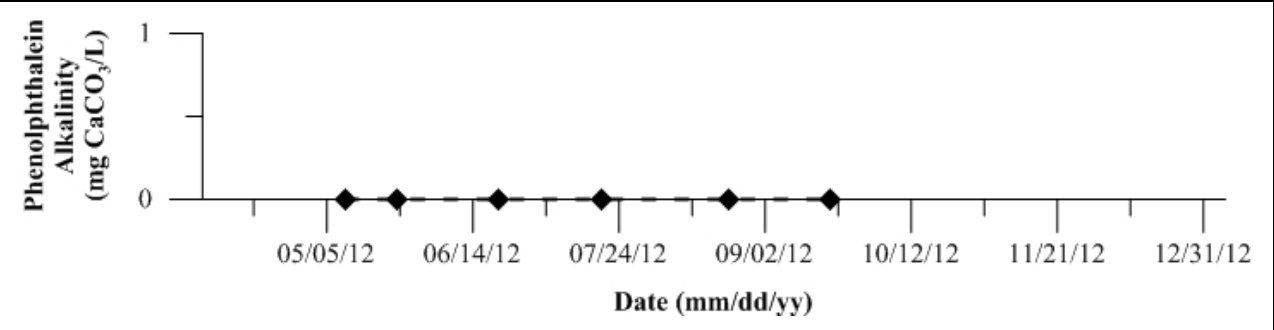


Figure 1293: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 21 Orestimba Creek at River Road. Data collected in 2012.

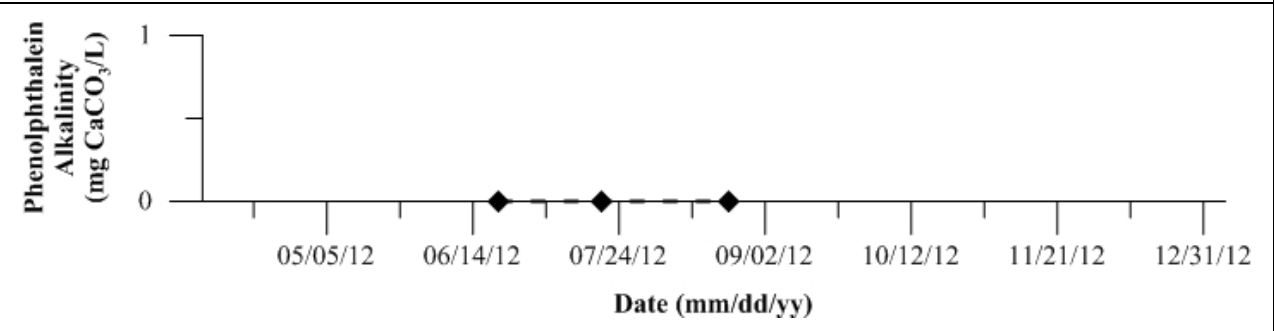


Figure 1294: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

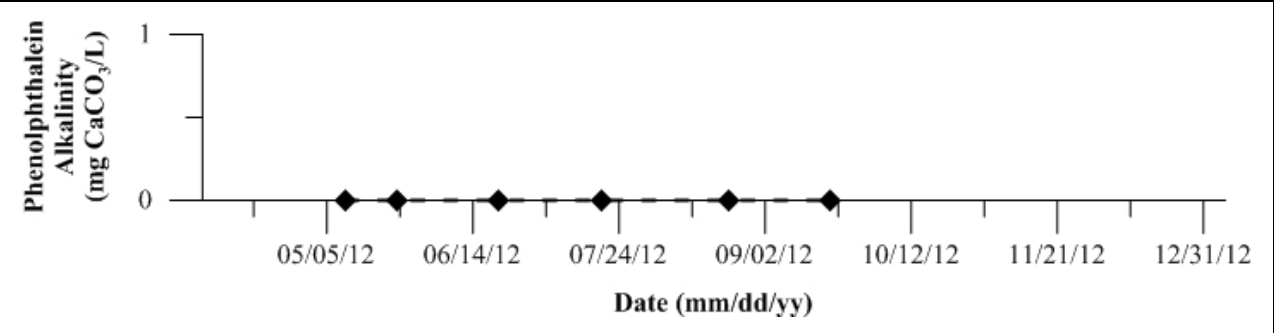


Figure 1295: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 34 Ingram Creek. Data collected in 2012.

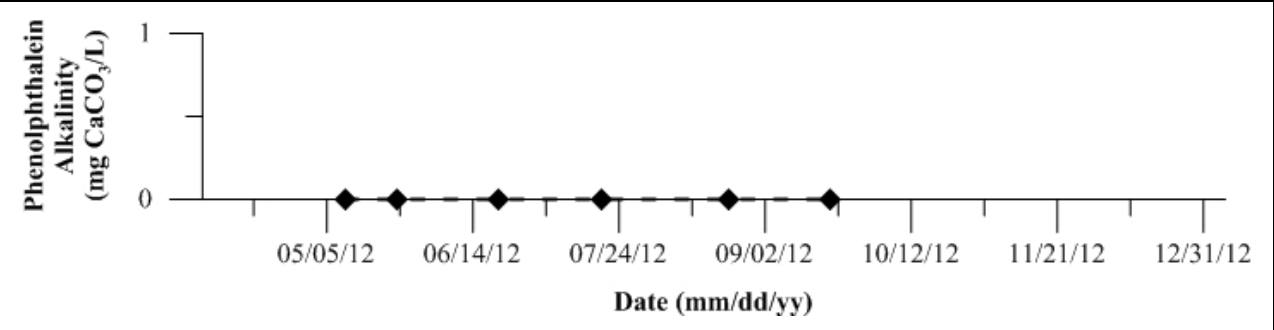


Figure 1296: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 44 San Luis Drain End. Data collected in 2012.

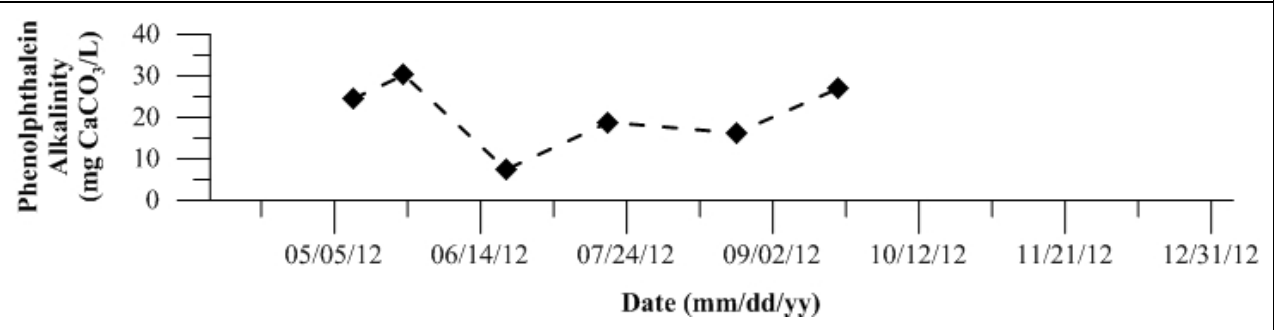


Figure 1297: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 127 SJR at Brant Bridge. Data collected in 2012.

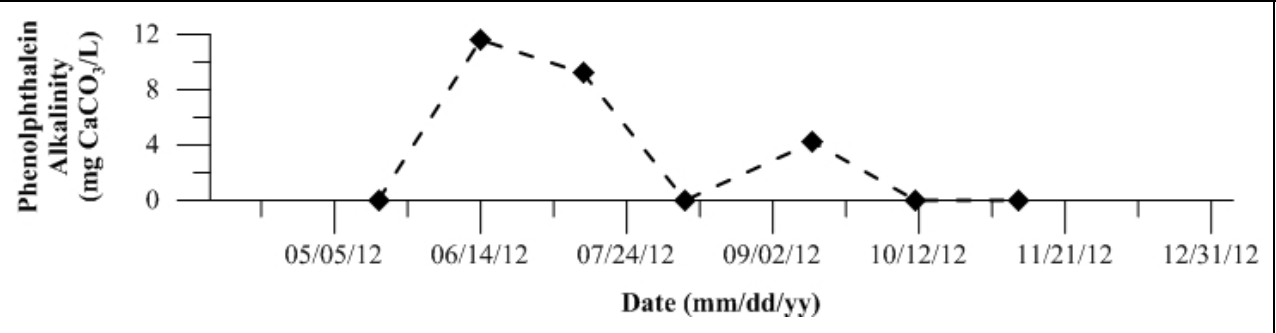


Figure 1298: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 402 Light 18 (Node 96). Data collected in 2012.

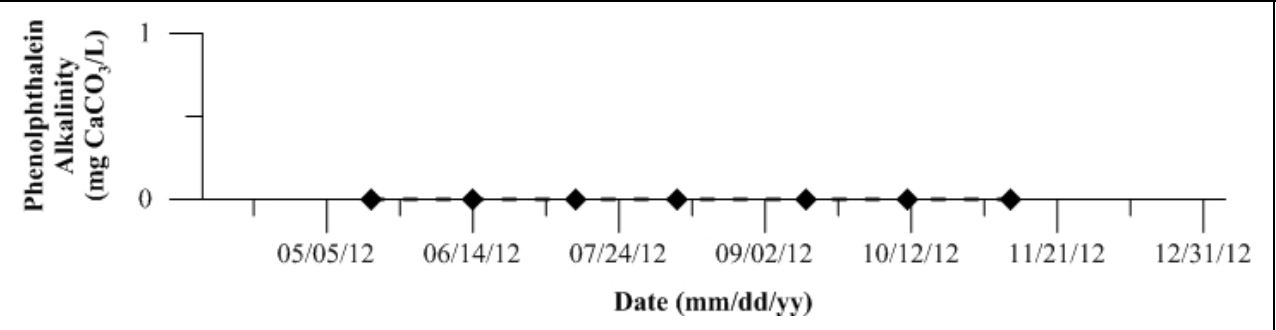


Figure 1299: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 405 Calaveras River. Data collected in 2012.

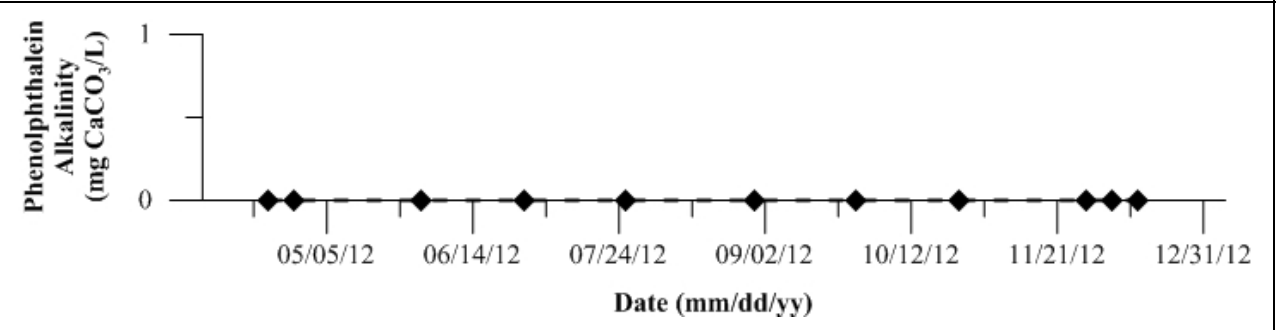


Figure 1300: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

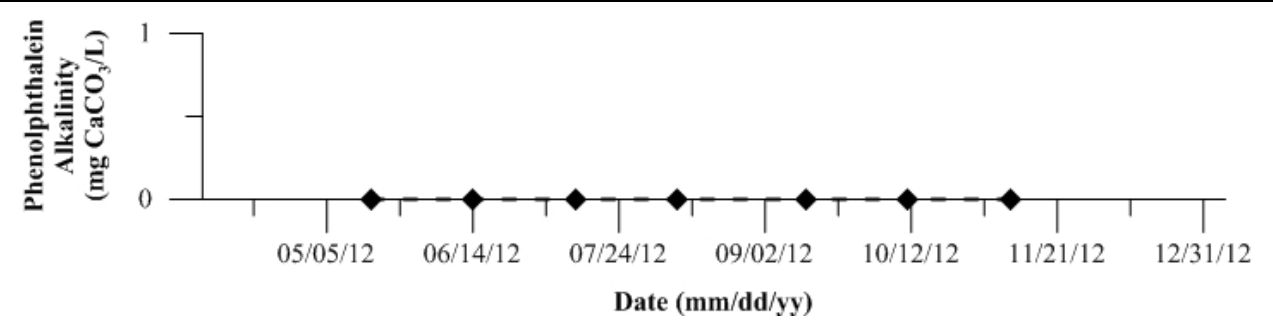


Figure 1301: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

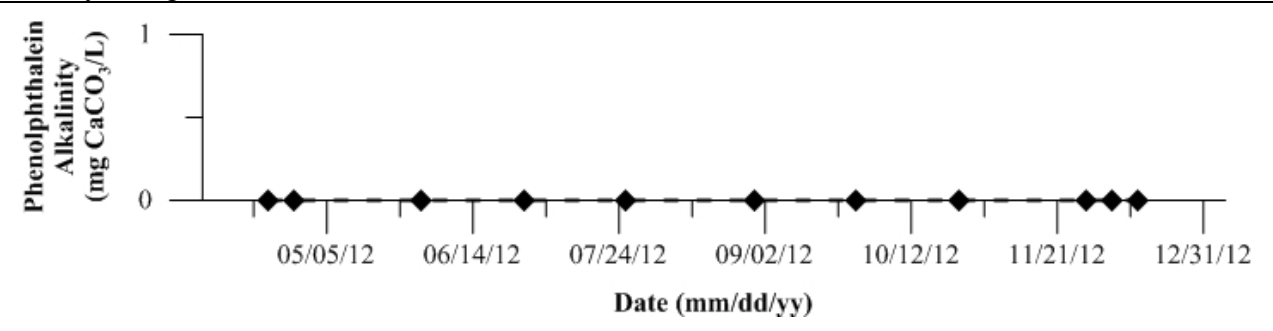


Figure 1302: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

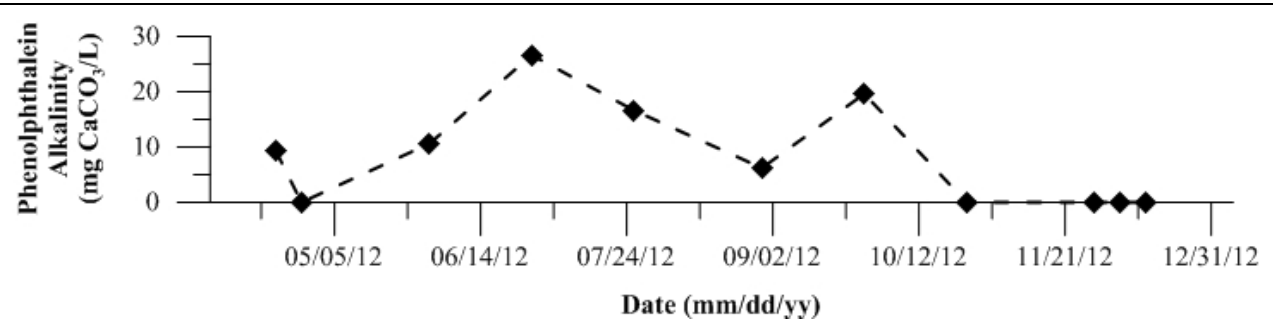


Figure 1303: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

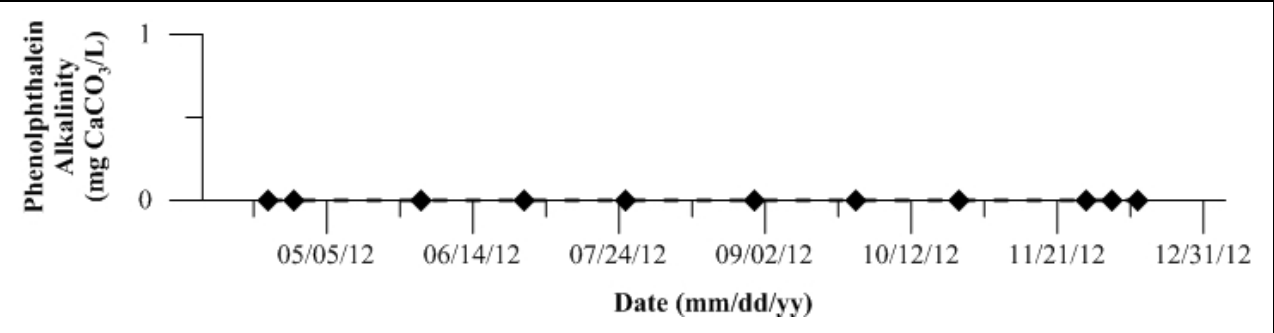


Figure 1304: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

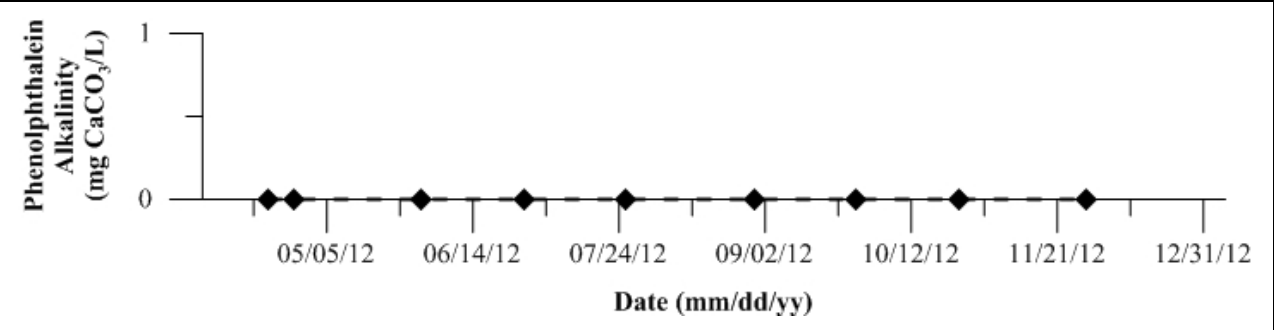


Figure 1305: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 424 14mi Slough. Data collected in 2012.

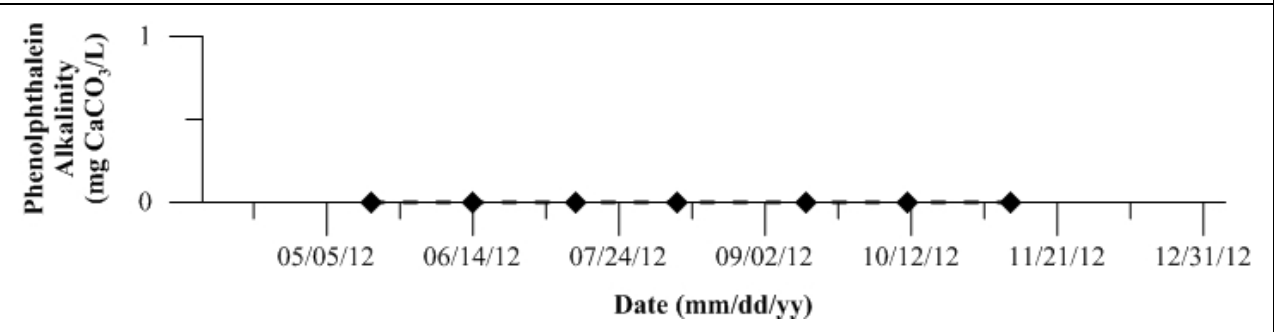


Figure 1306: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 425 Turner Cut. Data collected in 2012.

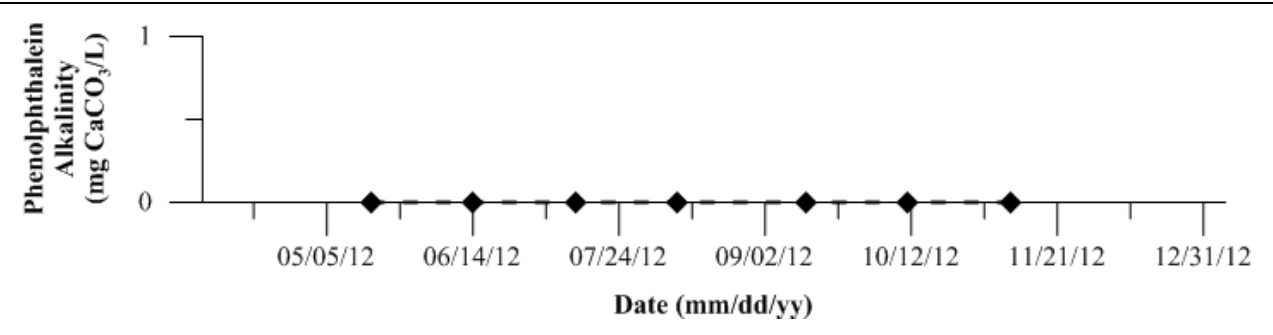


Figure 1307: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

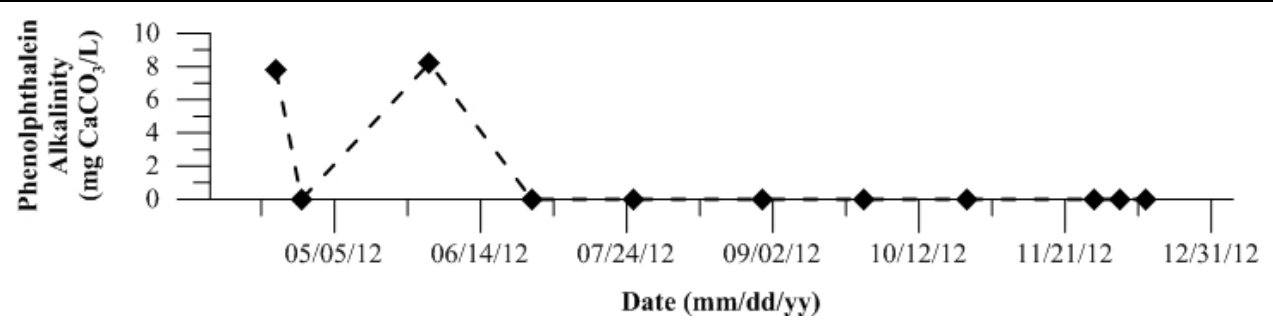


Figure 1308: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 427 RM 39 Near Louis Park. Data collected in 2012.

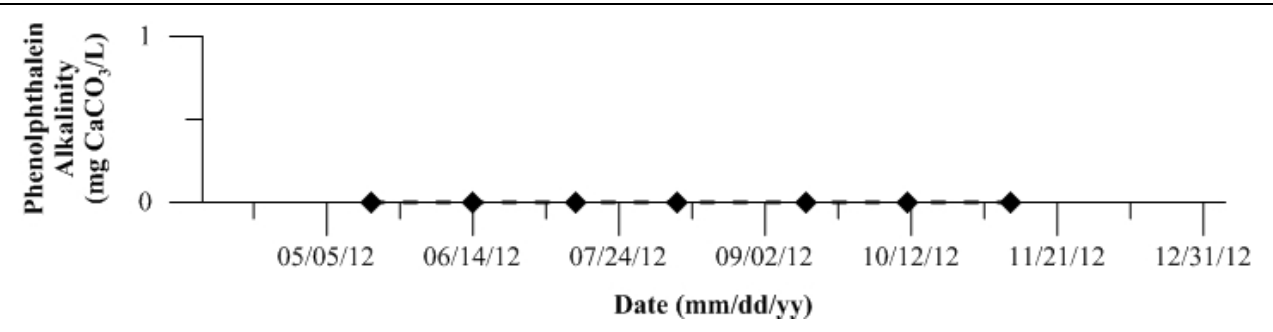


Figure 1309: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

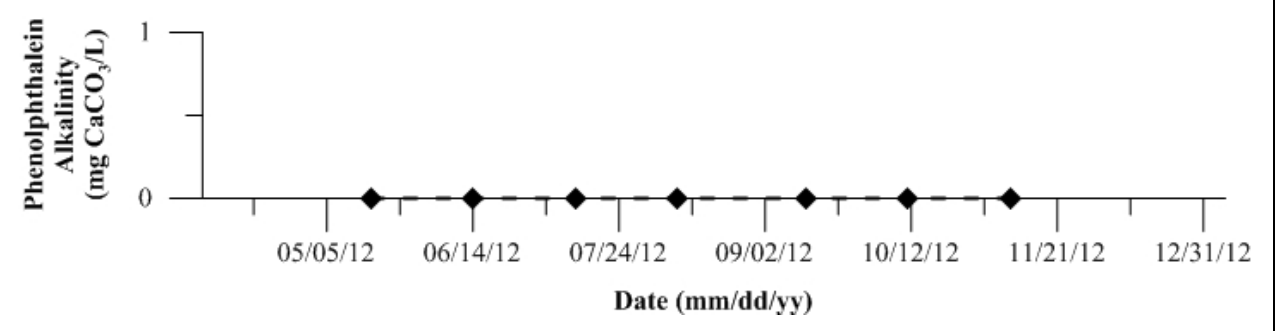
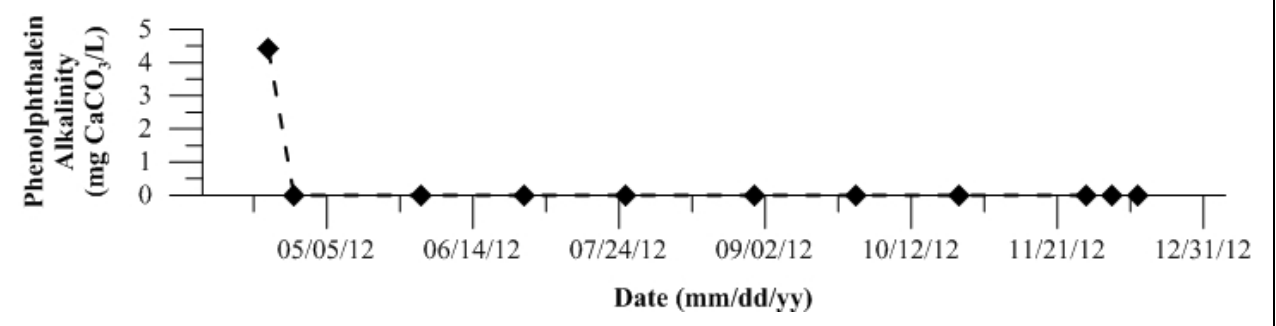


Figure 1310: Phenolphthalein alkalinity in milligram CaCO_3 per liter for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1311-1336: Temporal plots of Total Organic Carbon (TOC) by Site ID

Figure 1311: Total Organic Carbon (TOC) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

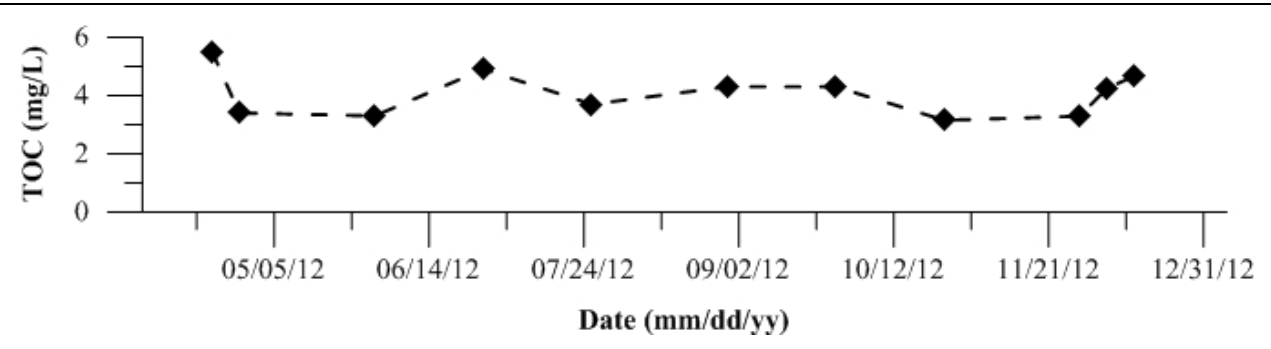


Figure 1312: Total Organic Carbon (TOC) for Site 4 SJR at Mossdale. Data collected in 2012.

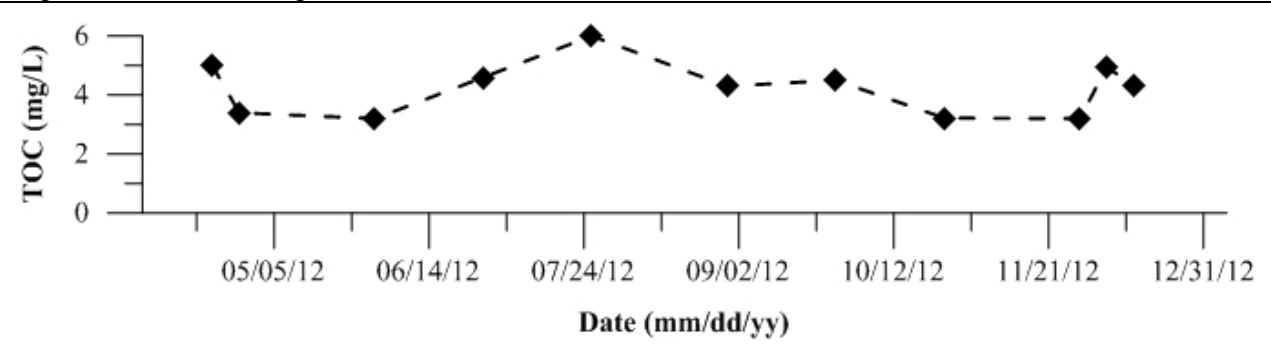


Figure 1313: Total Organic Carbon (TOC) for Site 7 SJR at Patterson. Data collected in 2012.

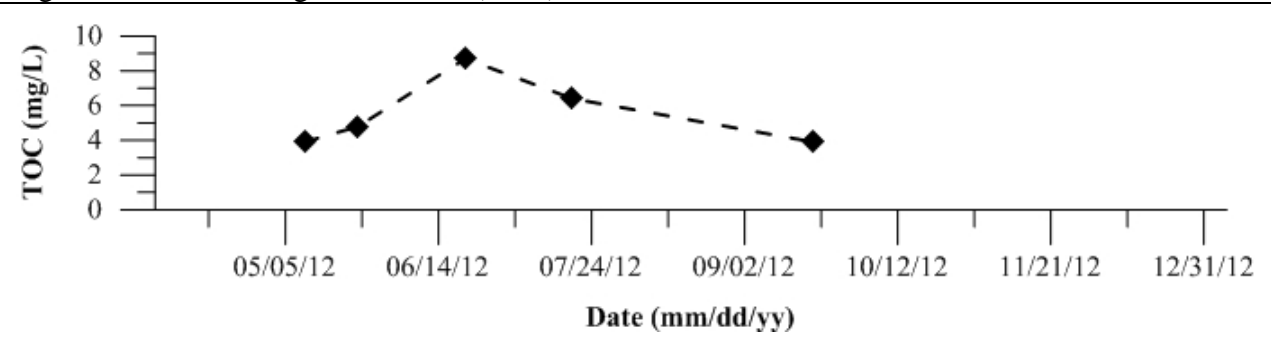


Figure 1314: Total Organic Carbon (TOC) for Site 10 SJR at Lander Avenue. Data collected in 2012.

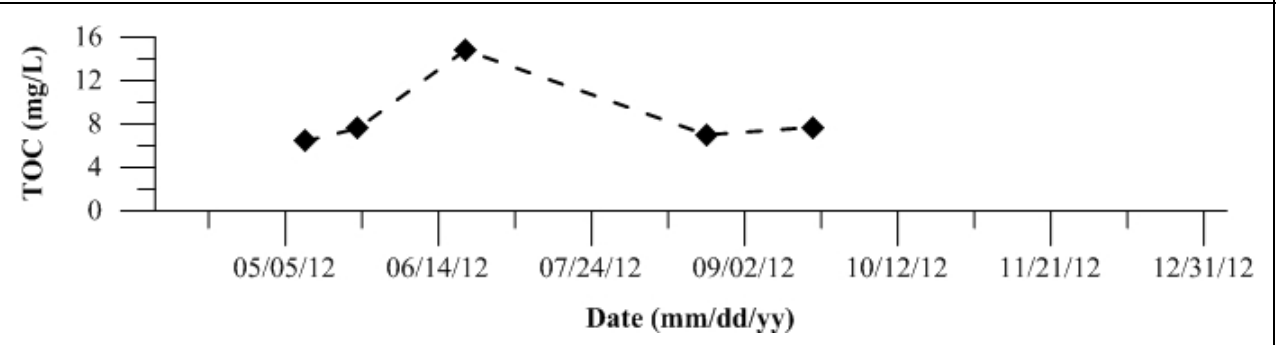


Figure 1315: Total Organic Carbon (TOC) for Site 11 French Camp Slough. Data collected in 2012.

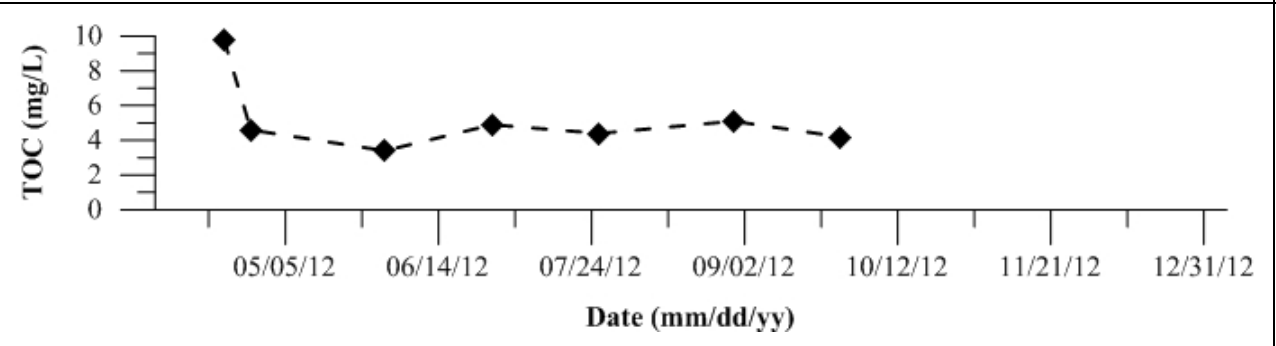


Figure 1316: Total Organic Carbon (TOC) for Site 16 Merced River at River Road. Data collected in 2012.

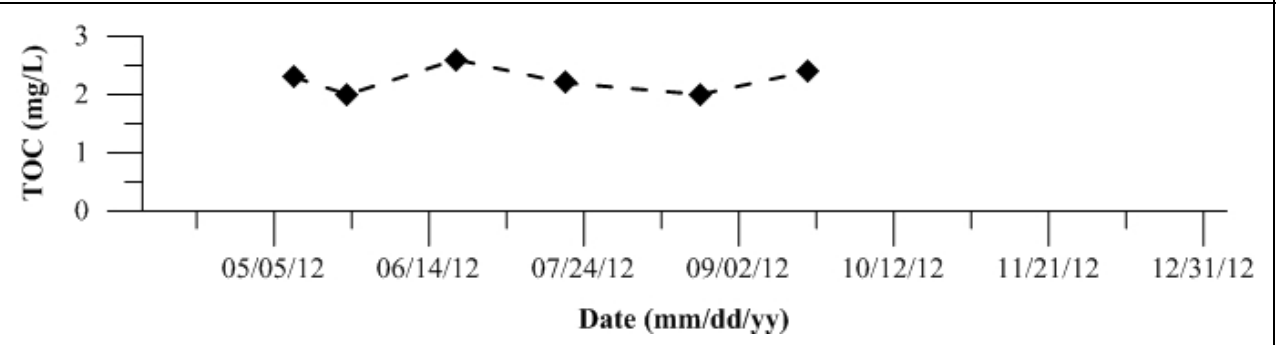


Figure 1317: Total Organic Carbon (TOC) for Site 18 Mud Slough near Gustine. Data collected in 2012.

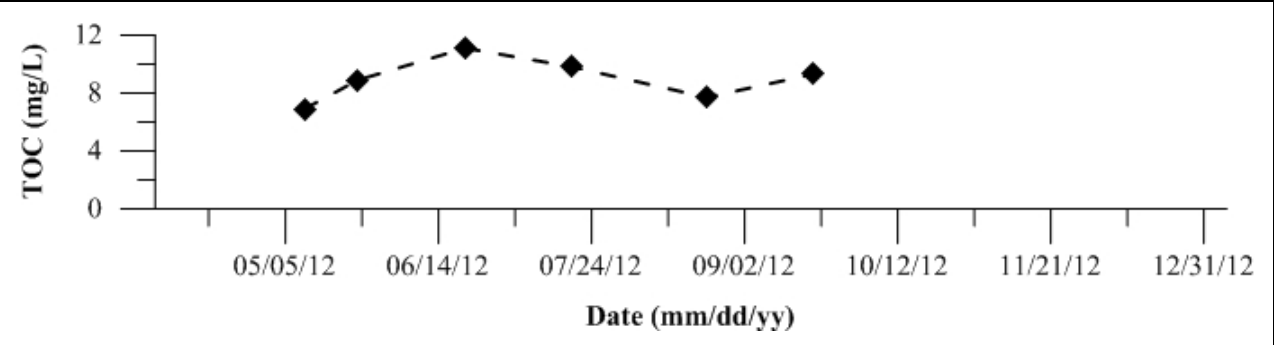


Figure 1318: Total Organic Carbon (TOC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

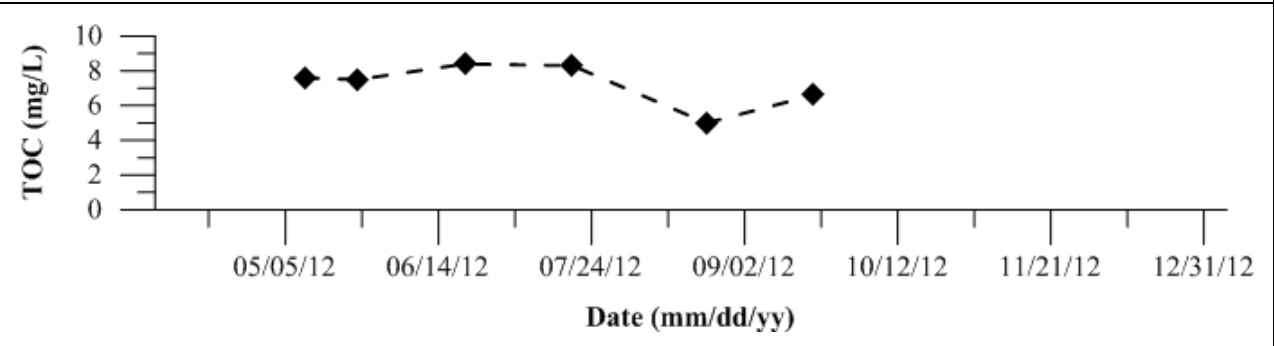


Figure 1319: Total Organic Carbon (TOC) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

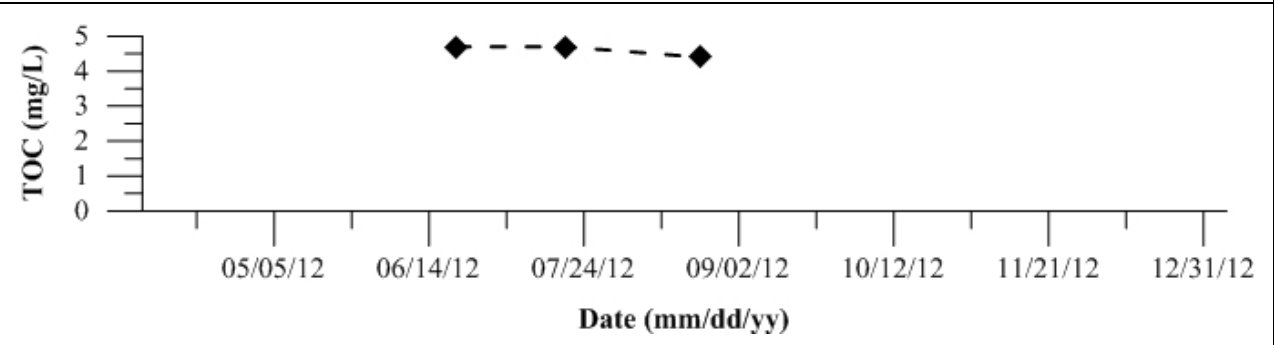


Figure 1320: Total Organic Carbon (TOC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

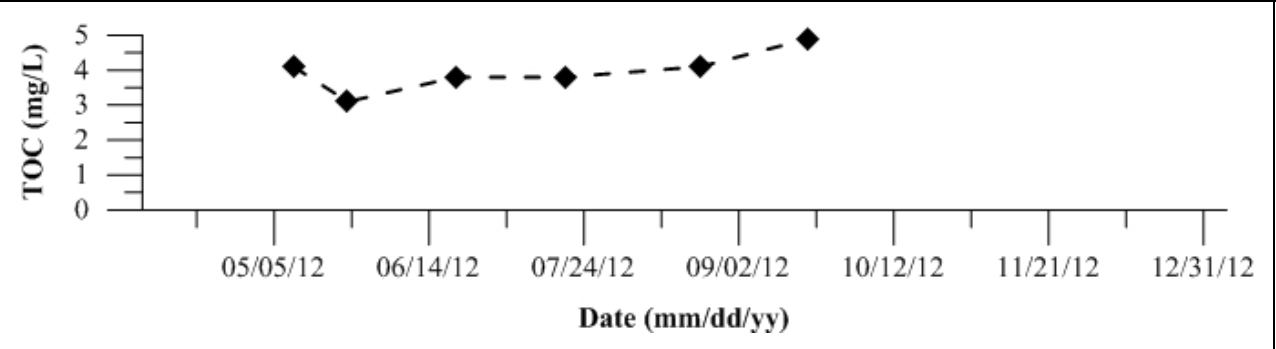


Figure 1321: Total Organic Carbon (TOC) for Site 34 Ingram Creek. Data collected in 2012.

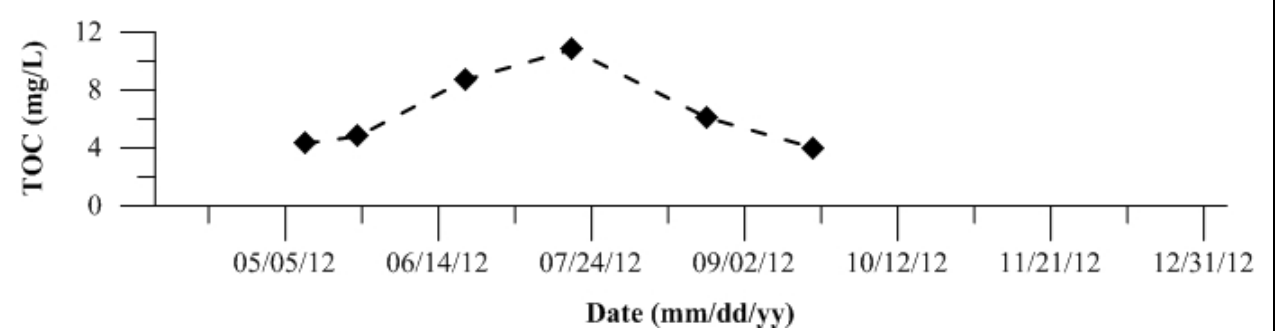


Figure 1322: Total Organic Carbon (TOC) for Site 44 San Luis Drain End. Data collected in 2012.

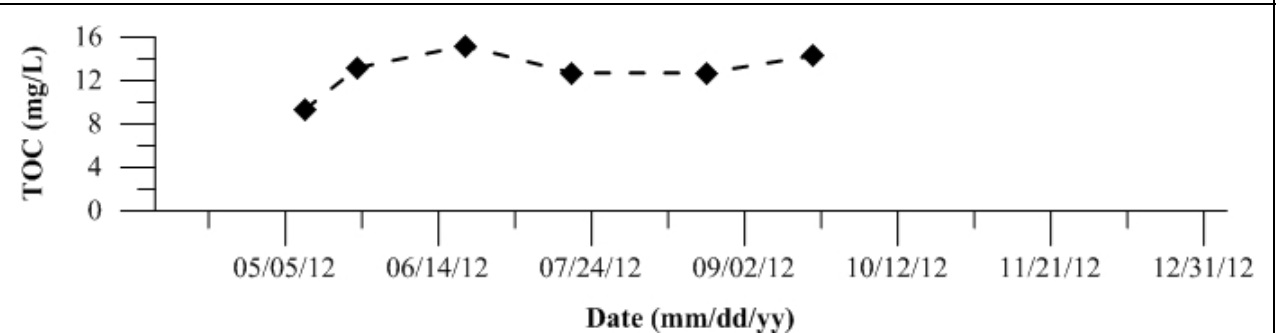


Figure 1323: Total Organic Carbon (TOC) for Site 127 SJR at Brant Bridge. Data collected in 2012.

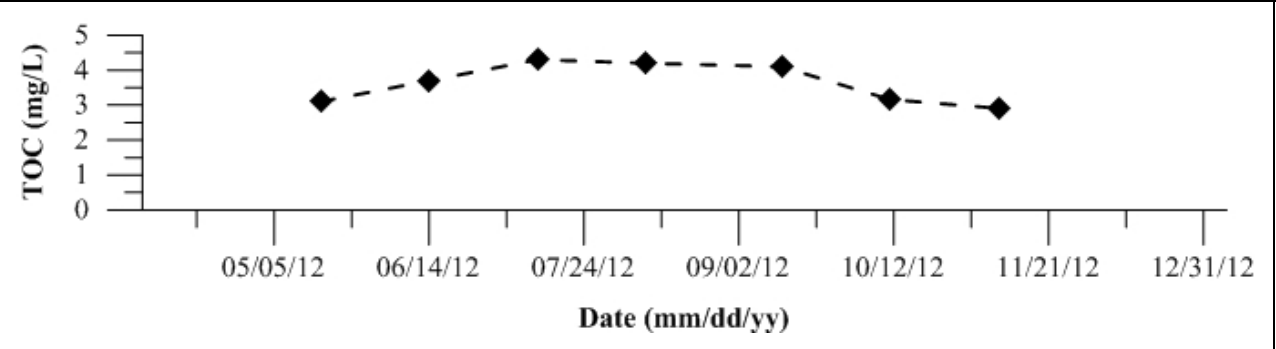


Figure 1324: Total Organic Carbon (TOC) for Site 402 Light 18 (Node 96). Data collected in 2012.

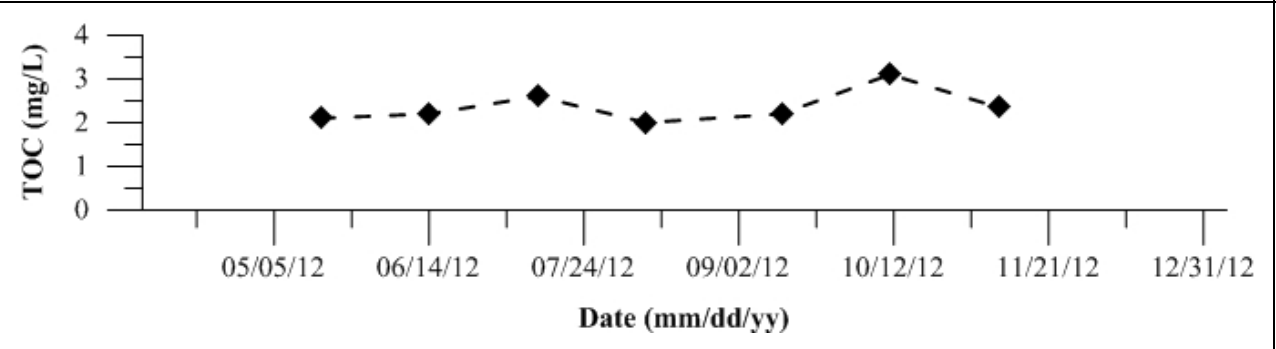


Figure 1325: Total Organic Carbon (TOC) for Site 405 Calaveras River. Data collected in 2012.

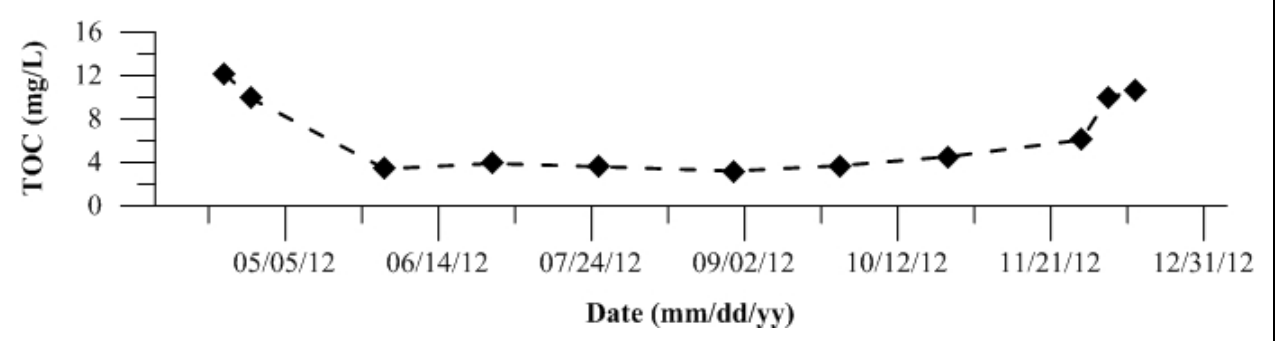


Figure 1326: Total Organic Carbon (TOC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

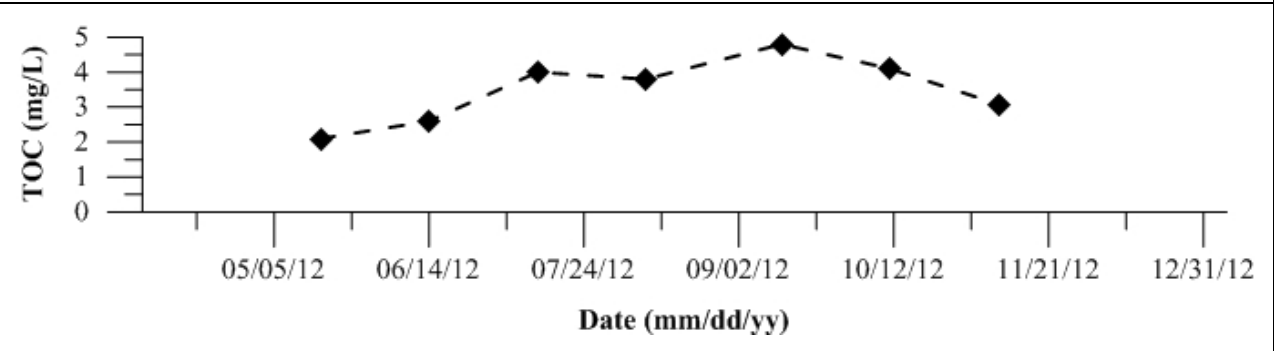


Figure 1327: Total Organic Carbon (TOC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

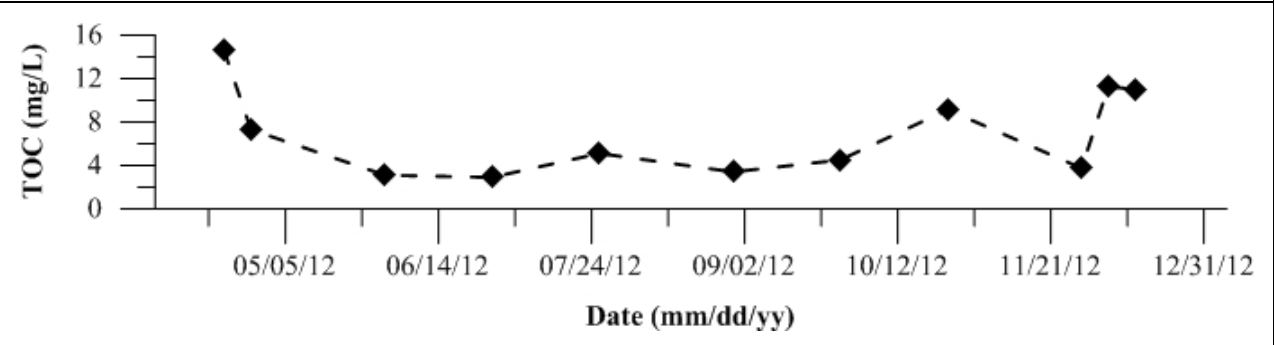


Figure 1328: Total Organic Carbon (TOC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

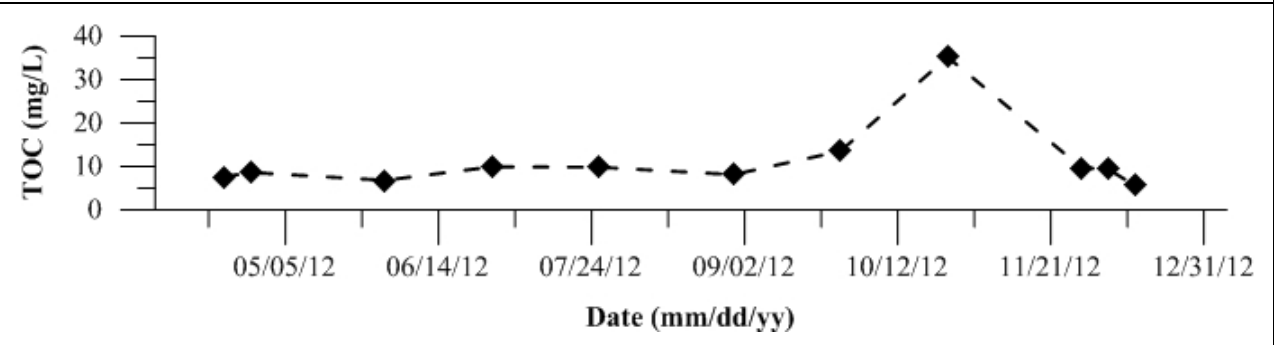


Figure 1329: Total Organic Carbon (TOC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

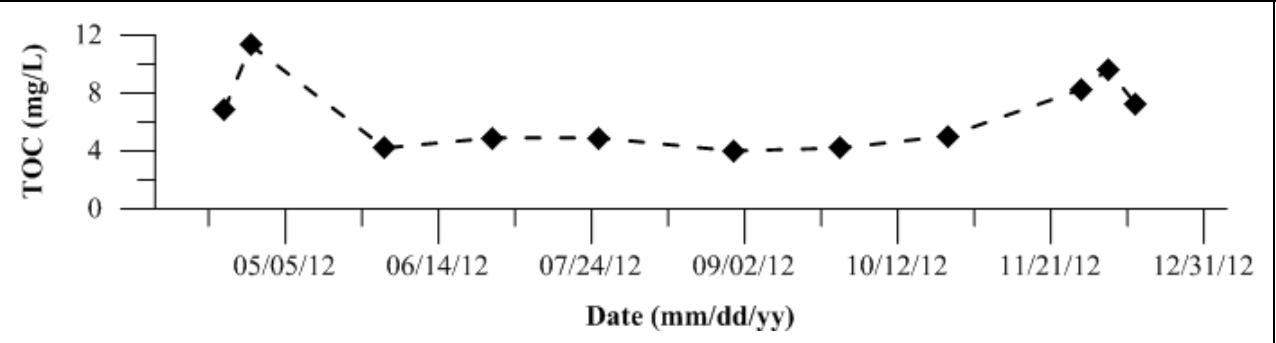


Figure 1330: Total Organic Carbon (TOC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

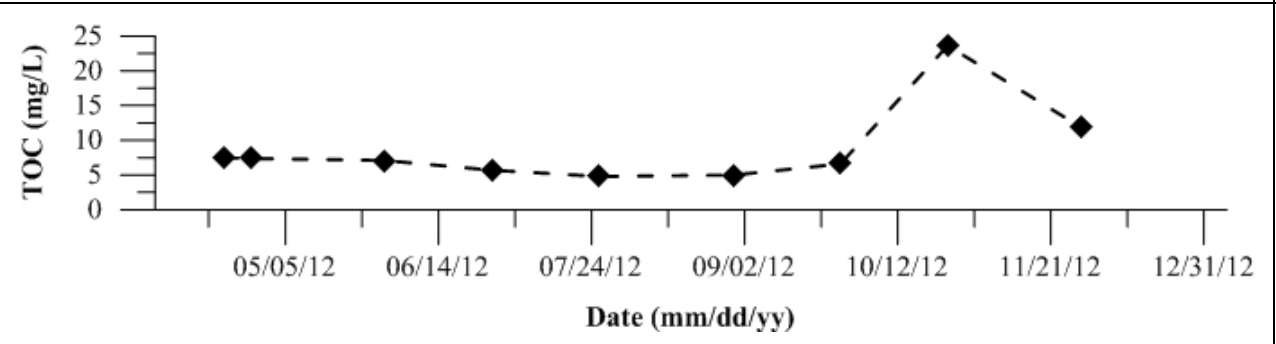


Figure 1331: Total Organic Carbon (TOC) for Site 424 14mi Slough. Data collected in 2012.

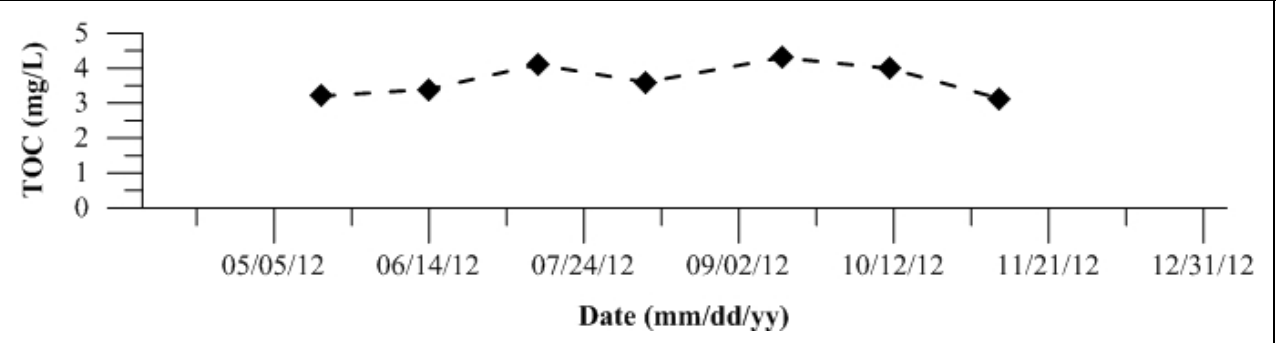


Figure 1332: Total Organic Carbon (TOC) for Site 425 Turner Cut. Data collected in 2012.

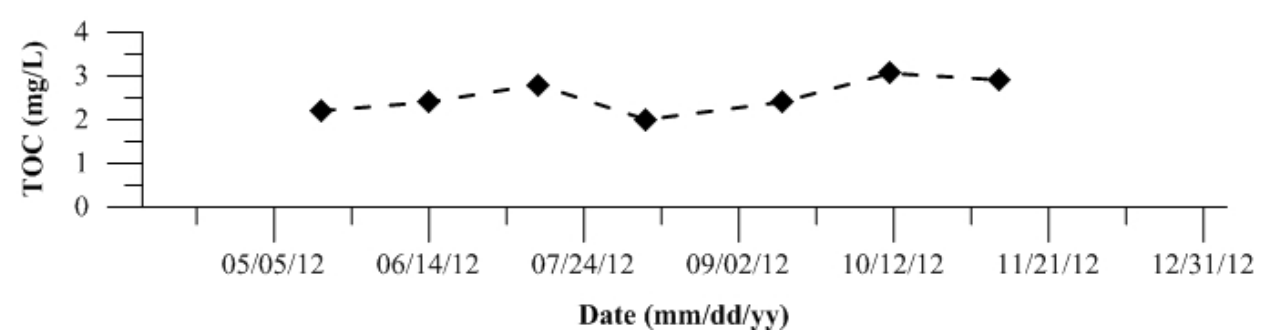


Figure 1333: Total Organic Carbon (TOC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

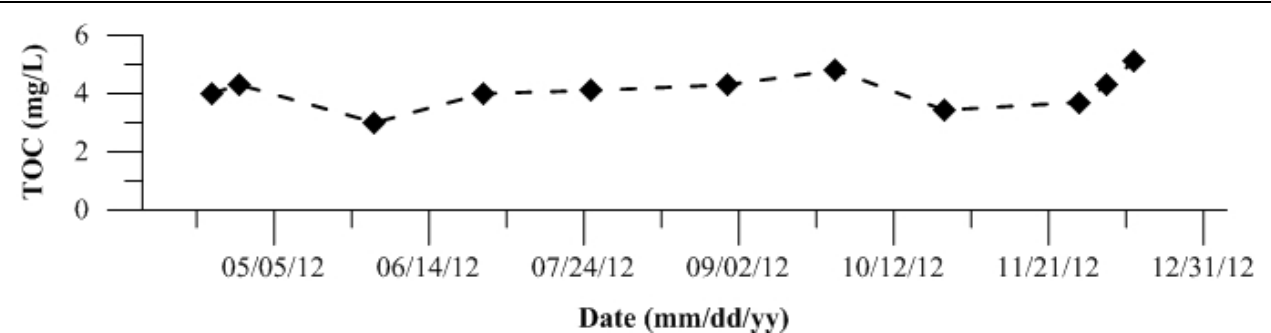


Figure 1334: Total Organic Carbon (TOC) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

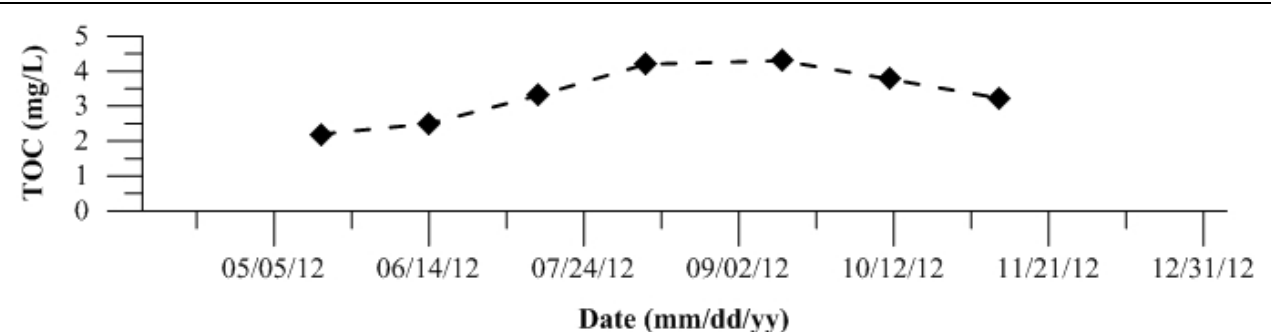


Figure 1335: Total Organic Carbon (TOC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

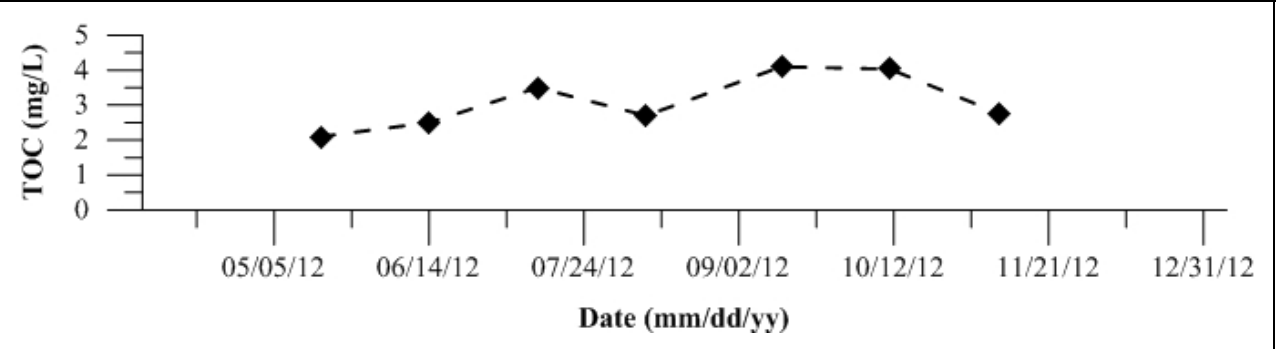
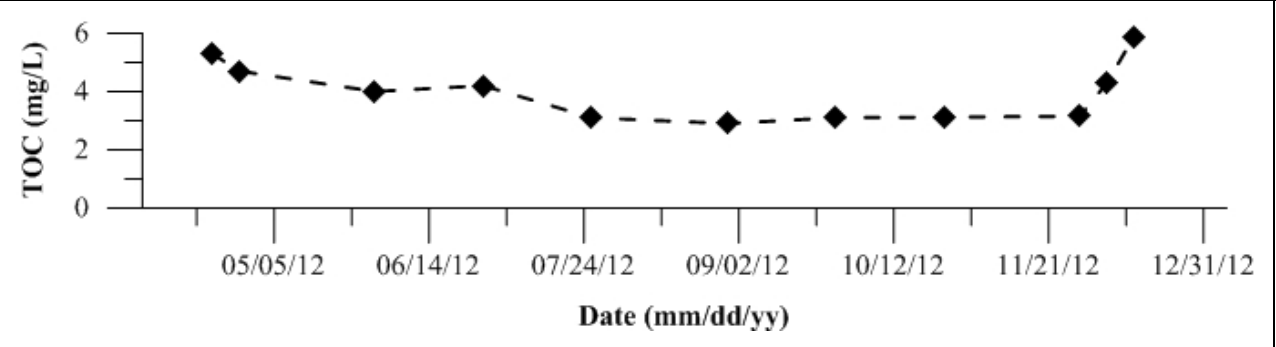


Figure 1336: Total Organic Carbon (TOC) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1337-1362: Temporal plots of Dissolved Organic Carbon (DOC) by Site ID

Figure 1337: Dissolved Organic Carbon (DOC) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

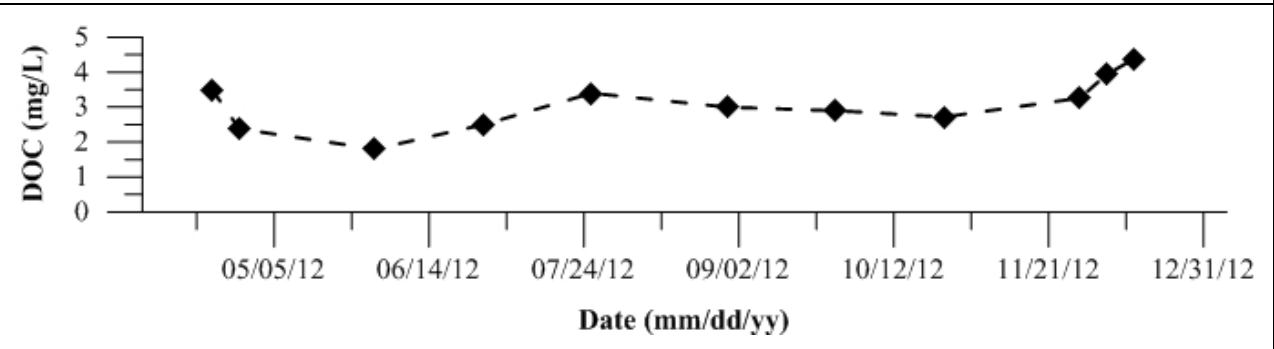


Figure 1338: Dissolved Organic Carbon (DOC) for Site 4 SJR at Mossdale. Data collected in 2012.

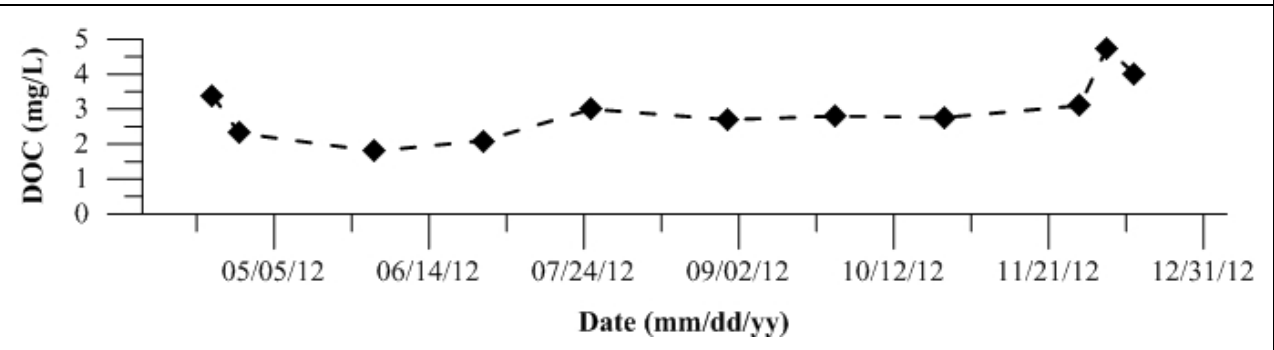


Figure 1339: Dissolved Organic Carbon (DOC) for Site 7 SJR at Patterson. Data collected in 2012.

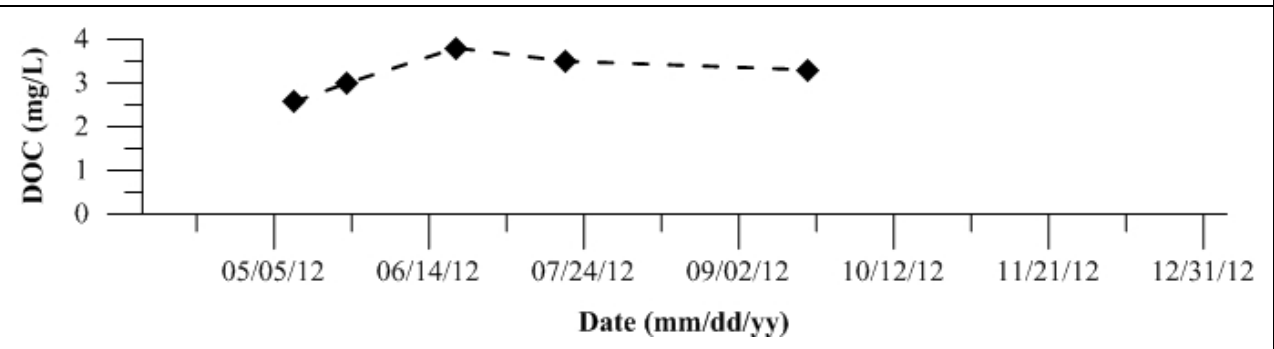


Figure 1340: Dissolved Organic Carbon (DOC) for Site 10 SJR at Lander Avenue. Data collected in 2012.

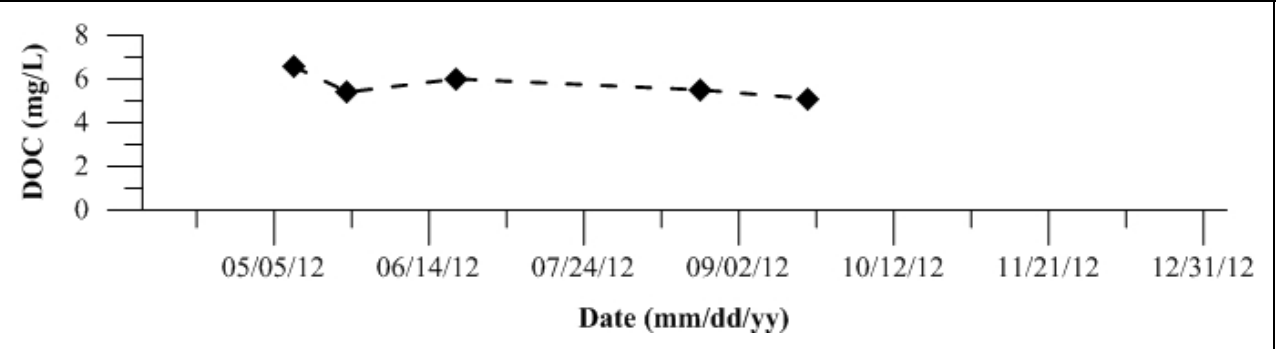


Figure 1341: Dissolved Organic Carbon (DOC) for Site 11 French Camp Slough. Data collected in 2012.

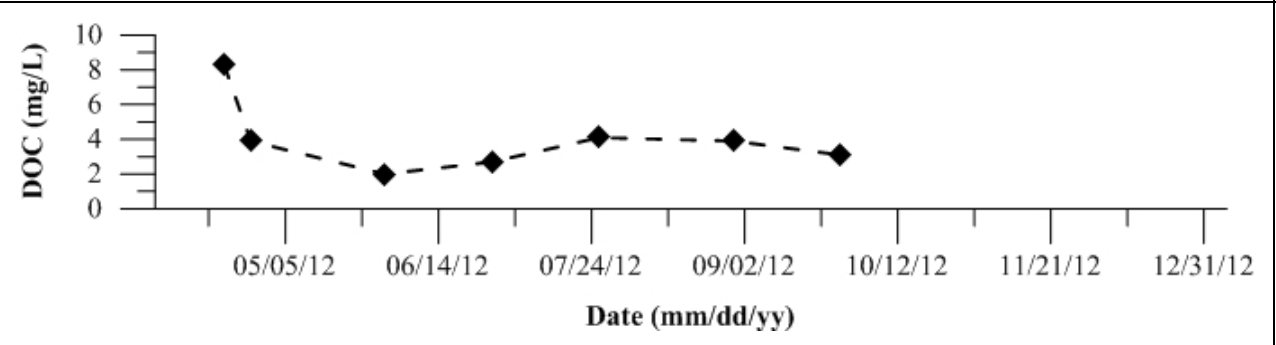


Figure 1342: Dissolved Organic Carbon (DOC) for Site 16 Merced River at River Road. Data collected in 2012.

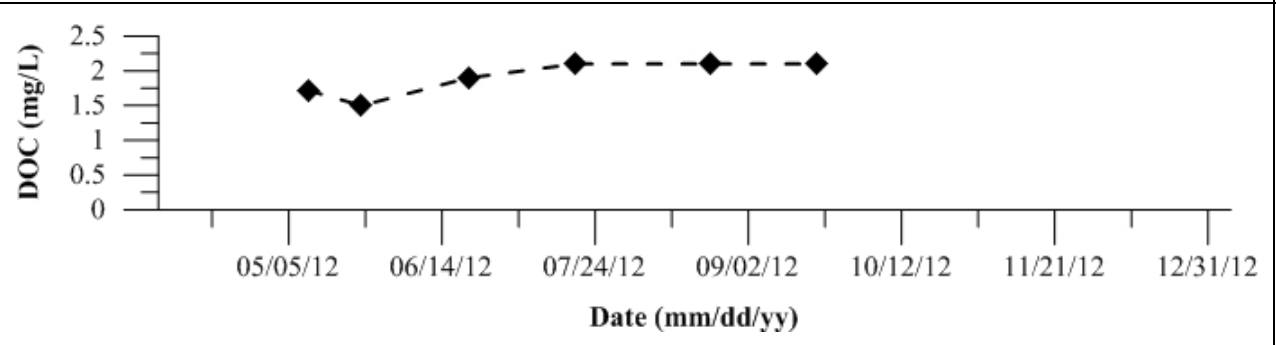


Figure 1343: Dissolved Organic Carbon (DOC) for Site 18 Mud Slough near Gustine. Data collected in 2012.

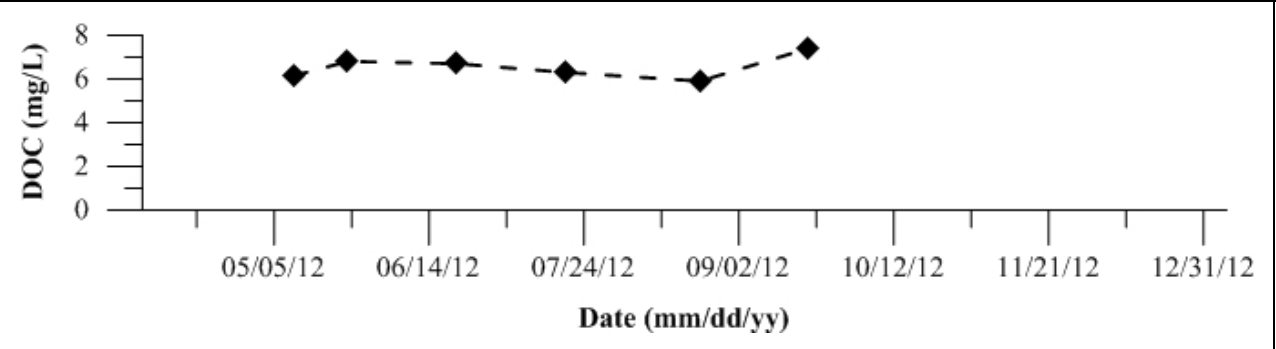


Figure 1344: Dissolved Organic Carbon (DOC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

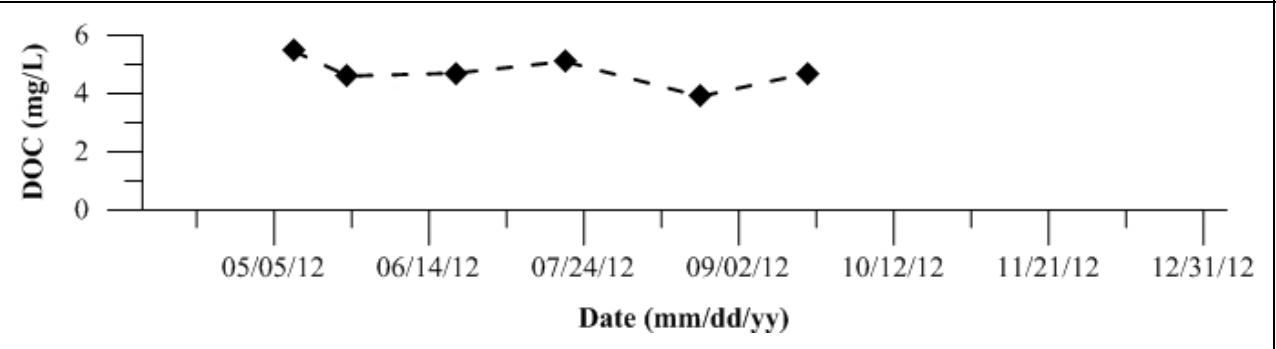


Figure 1345: Dissolved Organic Carbon (DOC) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

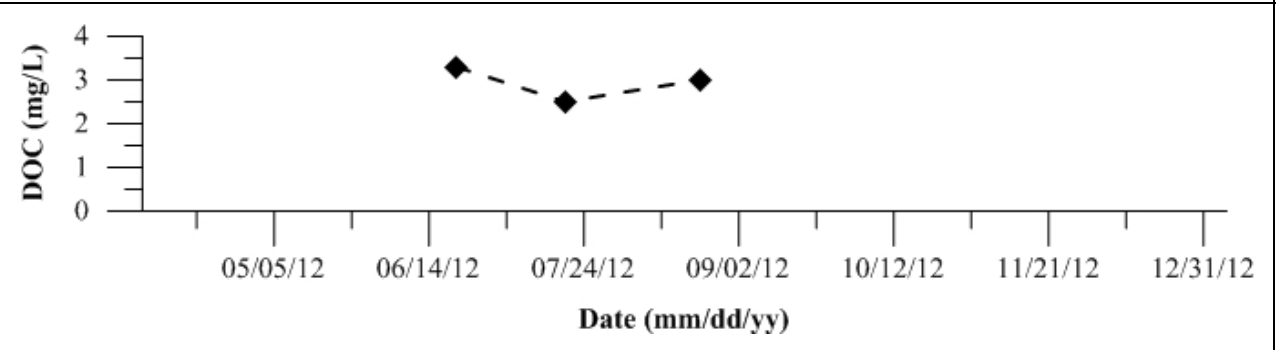


Figure 1346: Dissolved Organic Carbon (DOC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

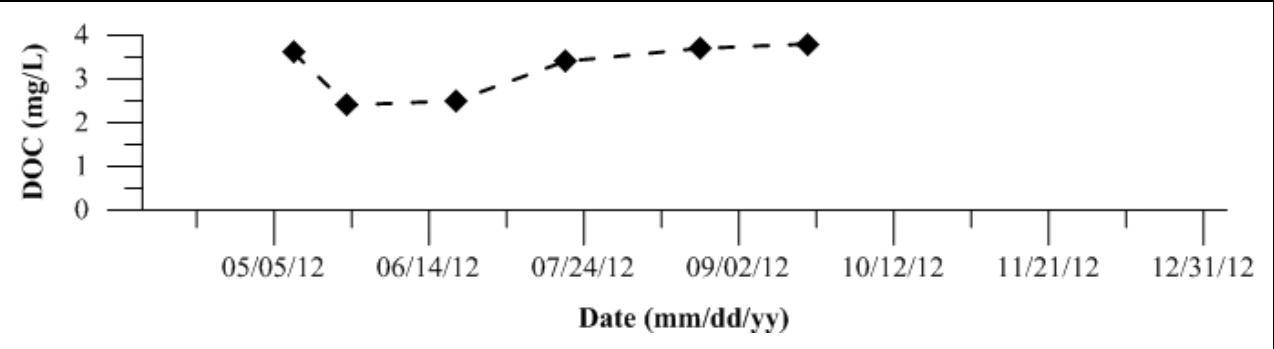


Figure 1347: Dissolved Organic Carbon (DOC) for Site 34 Ingram Creek. Data collected in 2012.

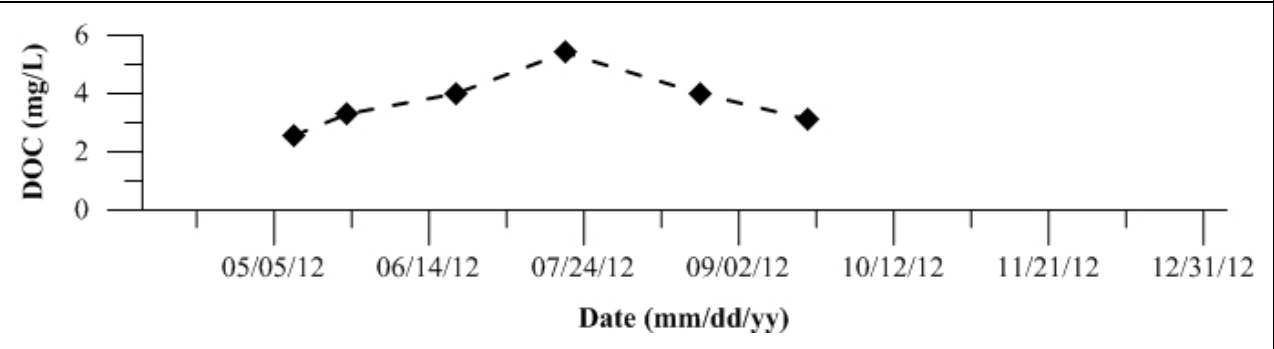


Figure 1348: Dissolved Organic Carbon (DOC) for Site 44 San Luis Drain End. Data collected in 2012.

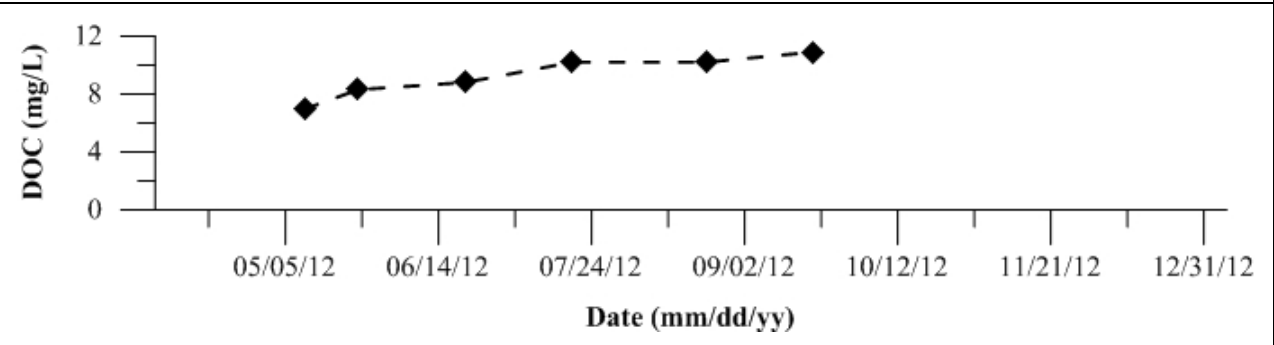


Figure 1349: Dissolved Organic Carbon (DOC) for Site 127 SJR at Brant Bridge. Data collected in 2012.

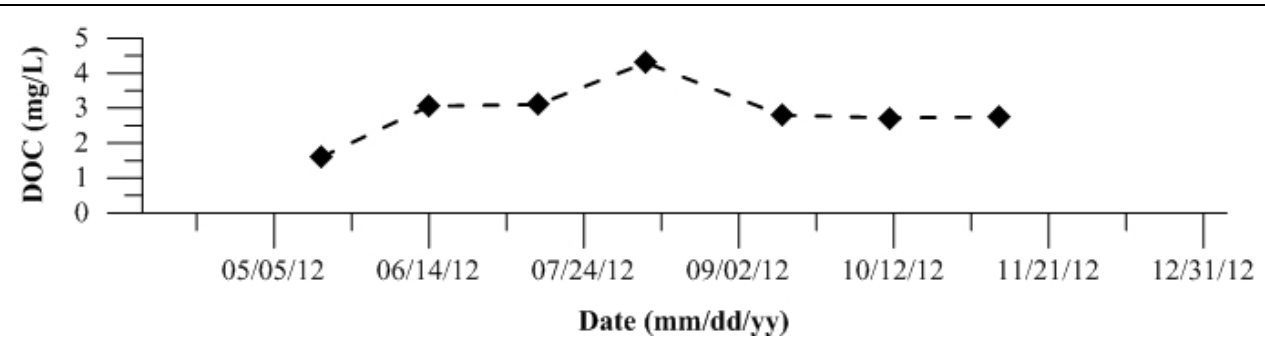


Figure 1350: Dissolved Organic Carbon (DOC) for Site 402 Light 18 (Node 96). Data collected in 2012.

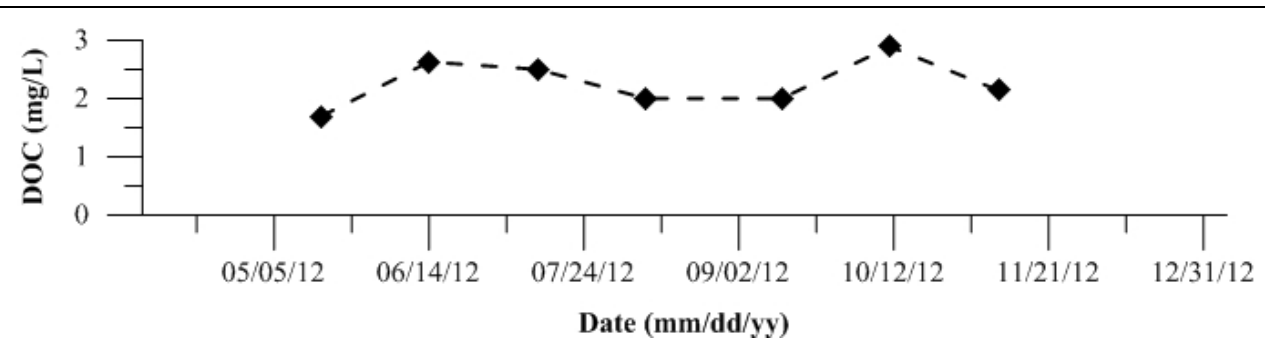


Figure 1351: Dissolved Organic Carbon (DOC) for Site 405 Calaveras River. Data collected in 2012.

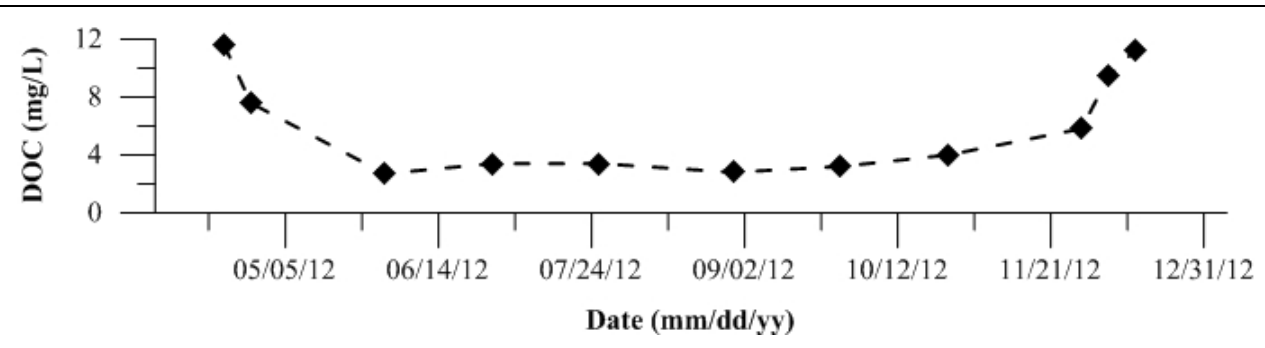


Figure 1352: Dissolved Organic Carbon (DOC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

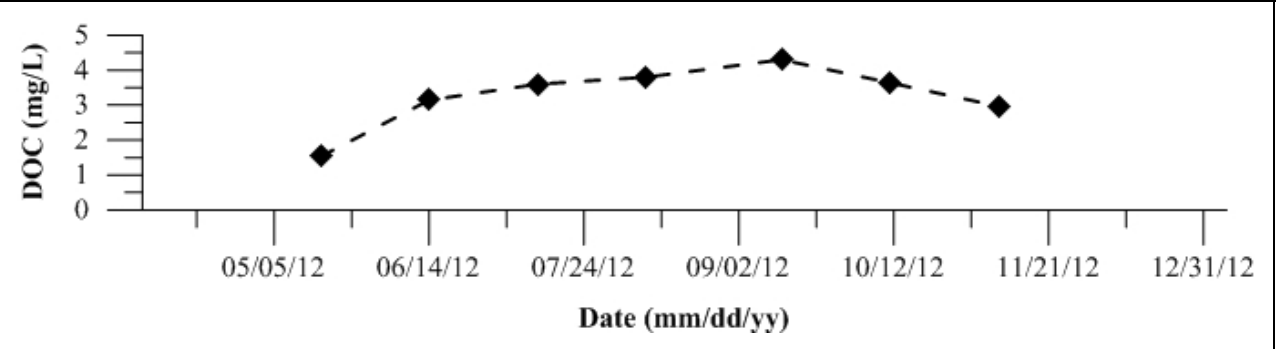


Figure 1353: Dissolved Organic Carbon (DOC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

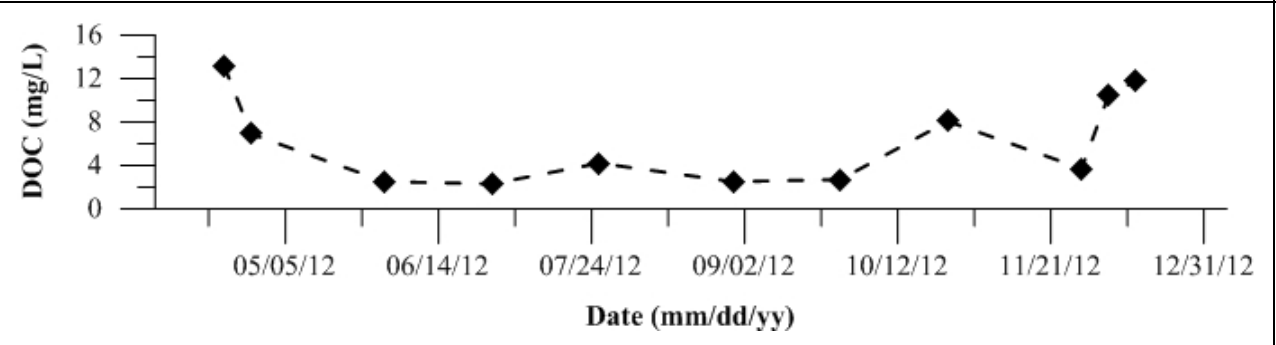


Figure 1354: Dissolved Organic Carbon (DOC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

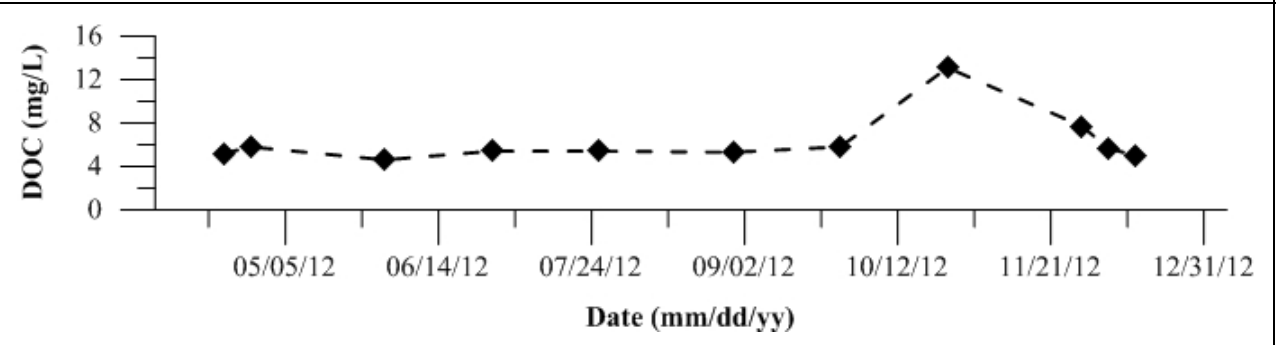


Figure 1355: Dissolved Organic Carbon (DOC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

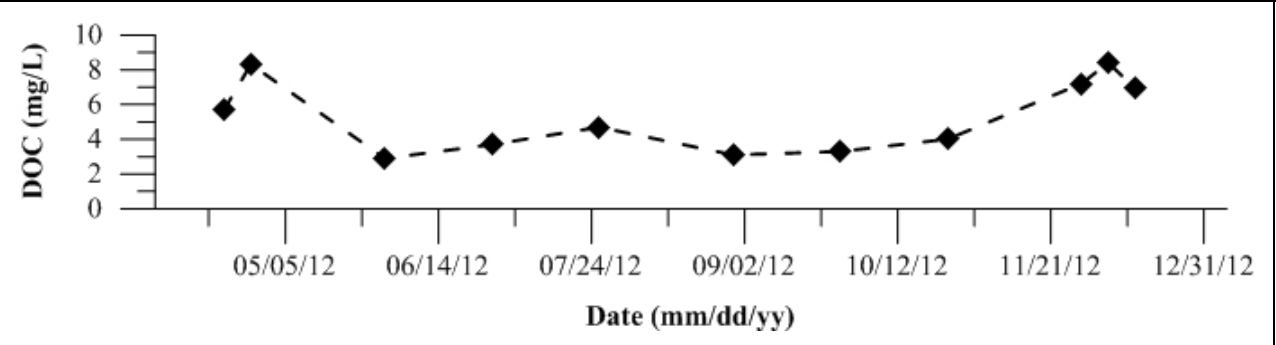


Figure 1356: Dissolved Organic Carbon (DOC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

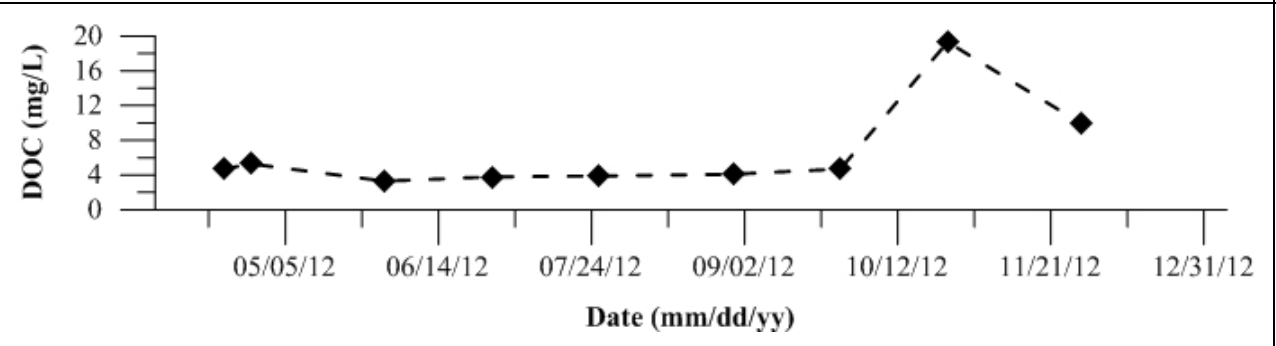


Figure 1357: Dissolved Organic Carbon (DOC) for Site 424 14mi Slough. Data collected in 2012.

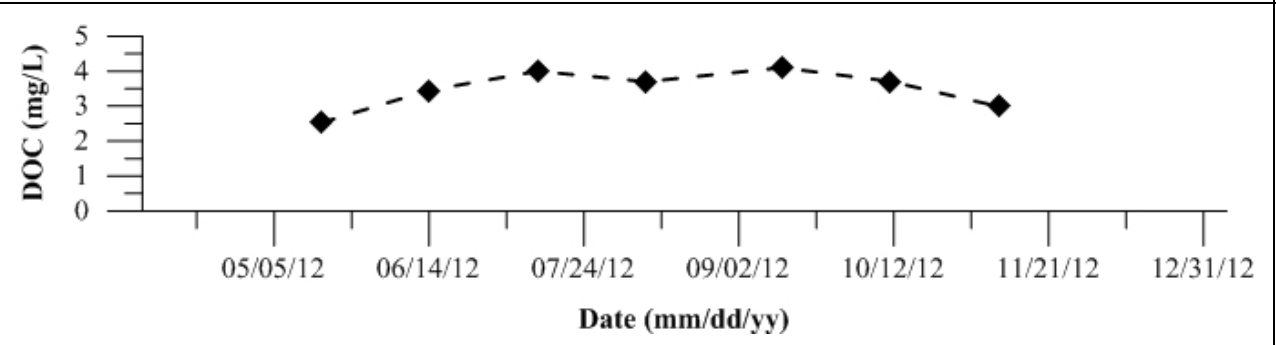


Figure 1358: Dissolved Organic Carbon (DOC) for Site 425 Turner Cut. Data collected in 2012.

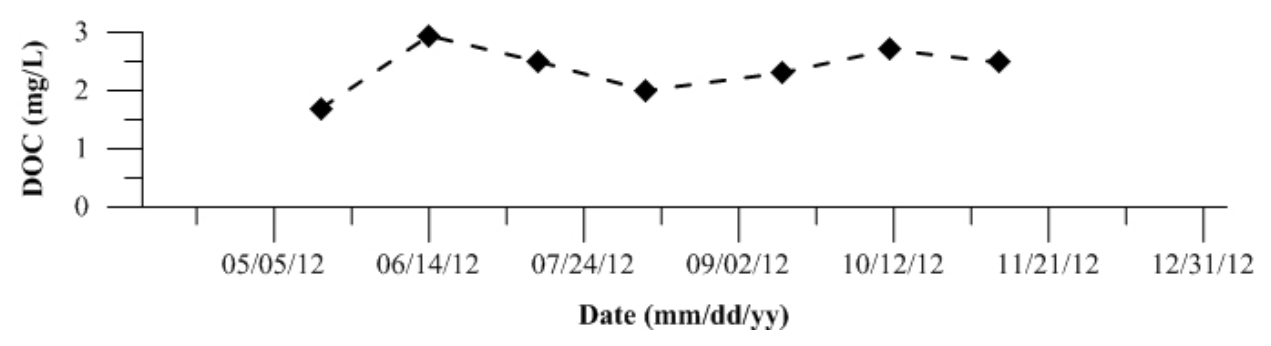


Figure 1359: Dissolved Organic Carbon (DOC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

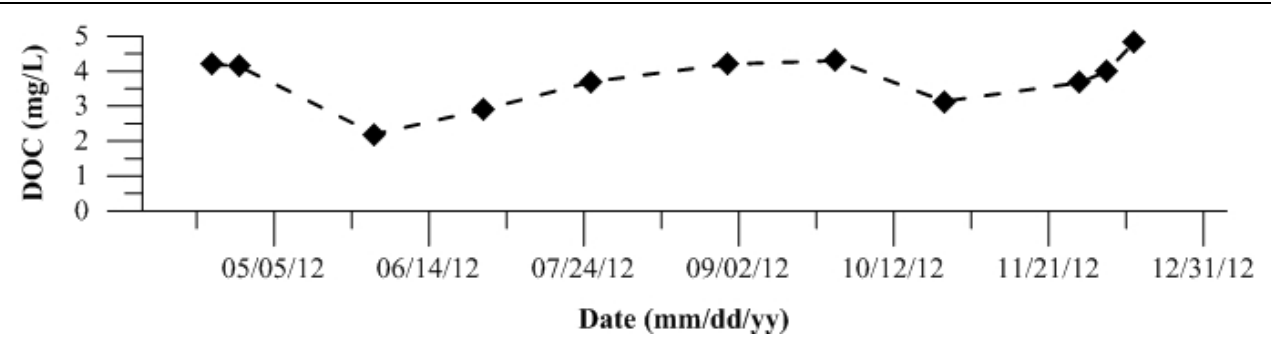


Figure 1360: Dissolved Organic Carbon (DOC) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

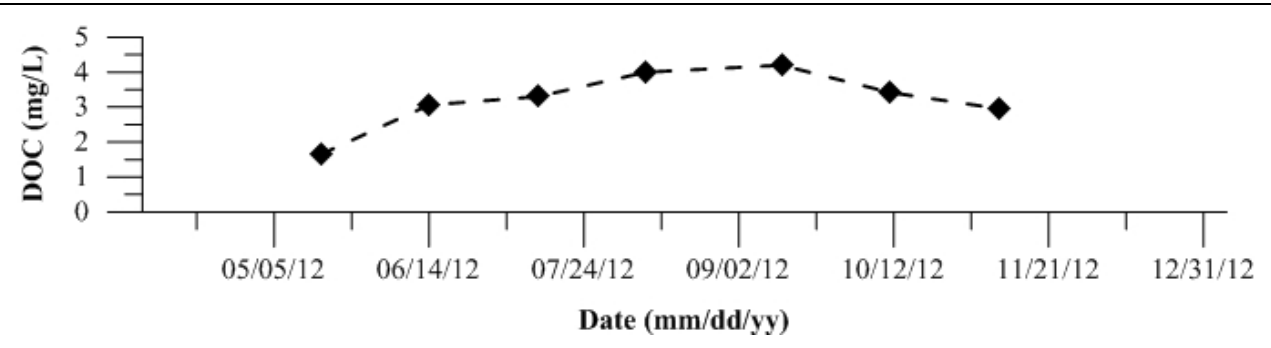


Figure 1361: Dissolved Organic Carbon (DOC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

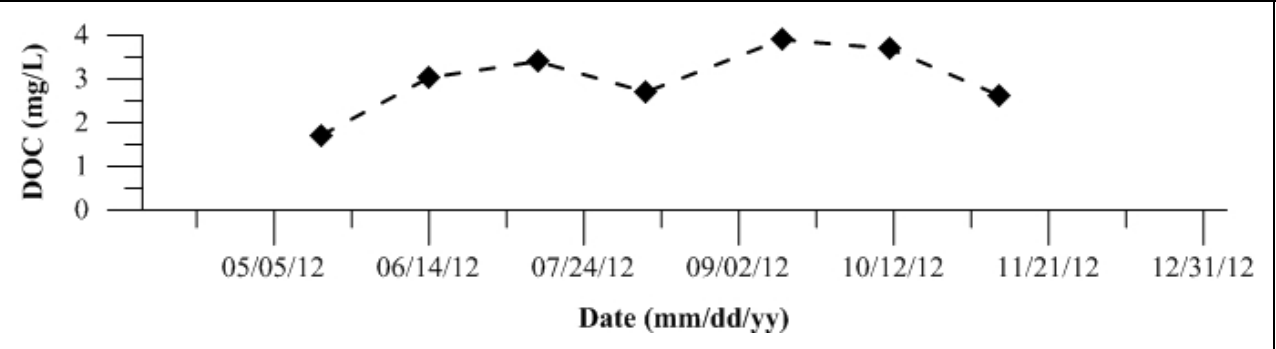
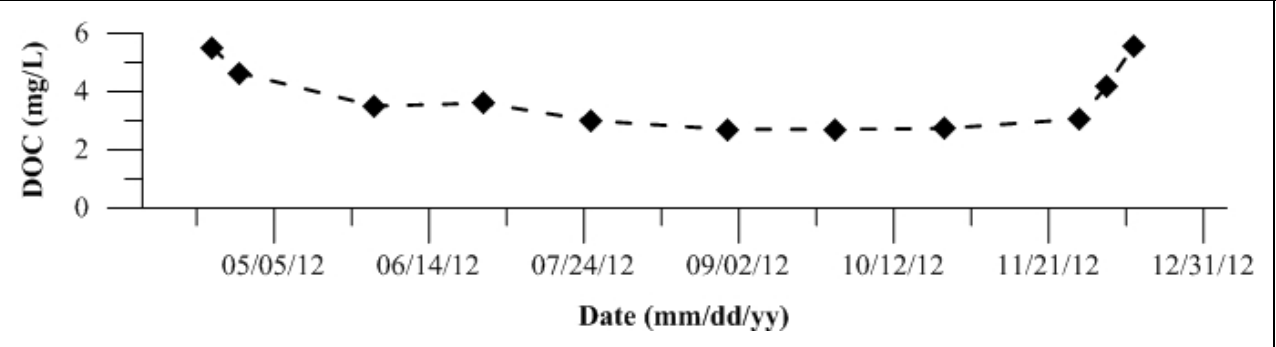


Figure 1362: Dissolved Organic Carbon (DOC) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1363-1388: Temporal plots of Inorganic Carbon (IC) by Site ID

Figure 1363: Inorganic Carbon (IC) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

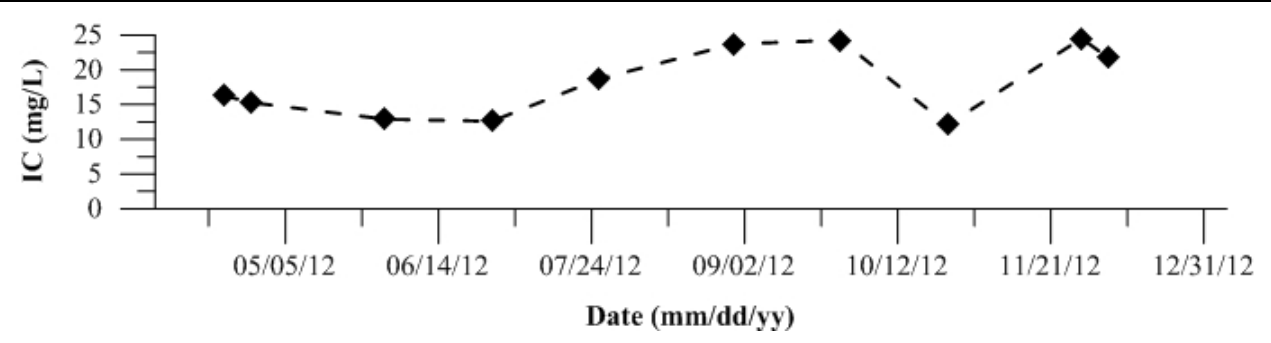


Figure 1364: Inorganic Carbon (IC) for Site 4 SJR at Mossdale. Data collected in 2012.

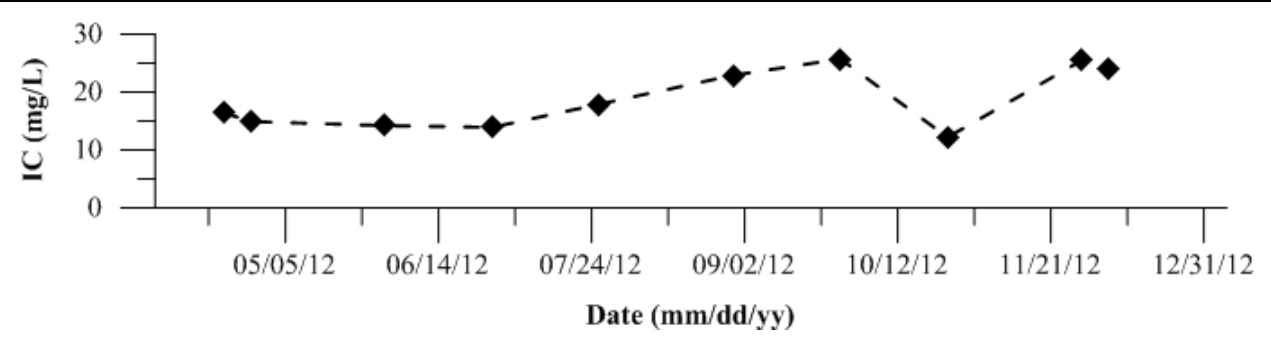


Figure 1365: Inorganic Carbon (IC) for Site 7 SJR at Patterson. Data collected in 2012.

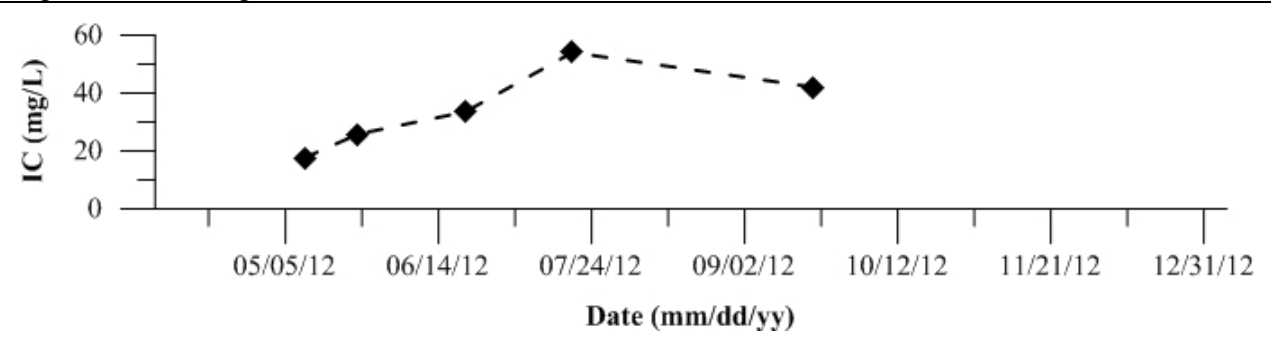


Figure 1366: Inorganic Carbon (IC) for Site 10 SJR at Lander Avenue. Data collected in 2012.

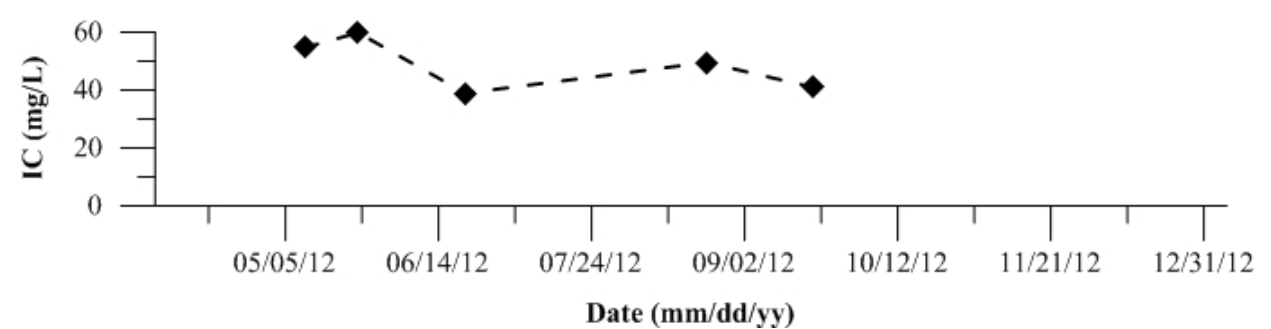


Figure 1367: Inorganic Carbon (IC) for Site 11 French Camp Slough. Data collected in 2012.

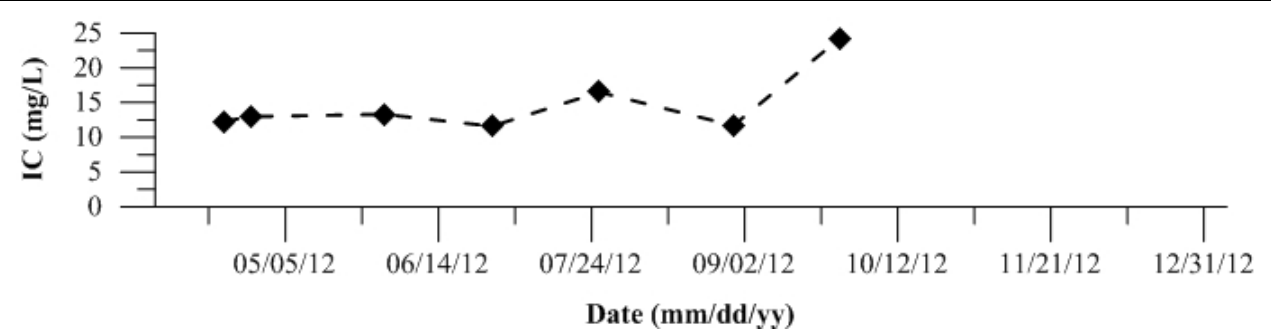


Figure 1368: Inorganic Carbon (IC) for Site 16 Merced River at River Road. Data collected in 2012.

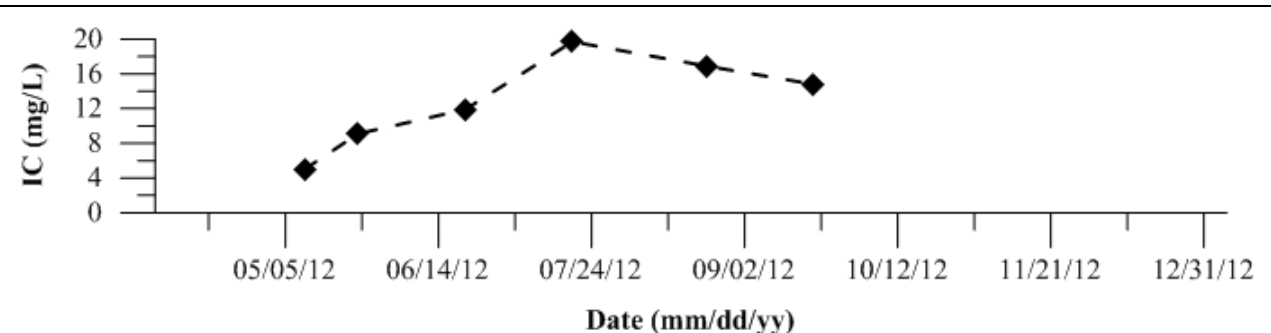


Figure 1369: Inorganic Carbon (IC) for Site 18 Mud Slough near Gustine. Data collected in 2012.

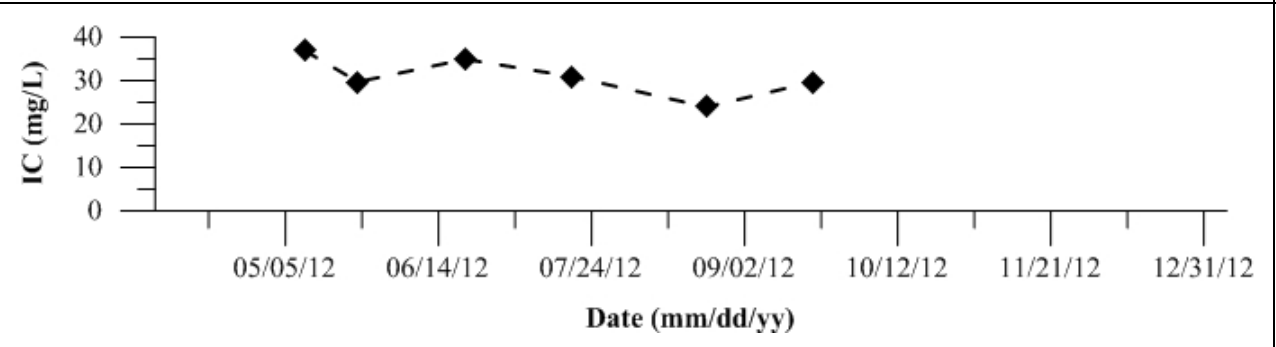


Figure 1370: Inorganic Carbon (IC) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

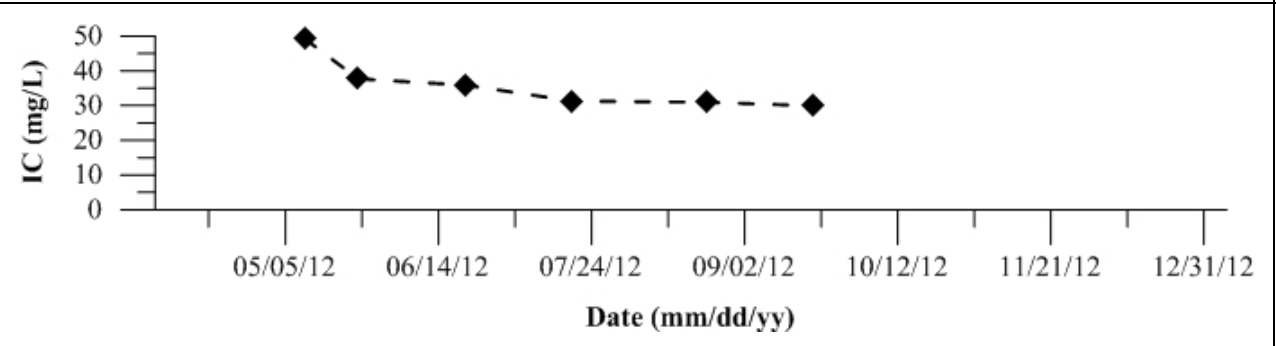


Figure 1371: Inorganic Carbon (IC) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

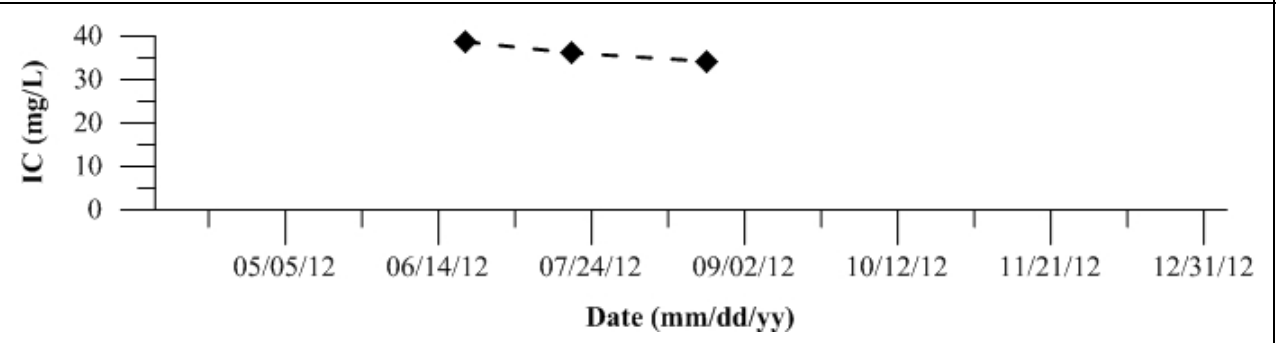


Figure 1372: Inorganic Carbon (IC) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

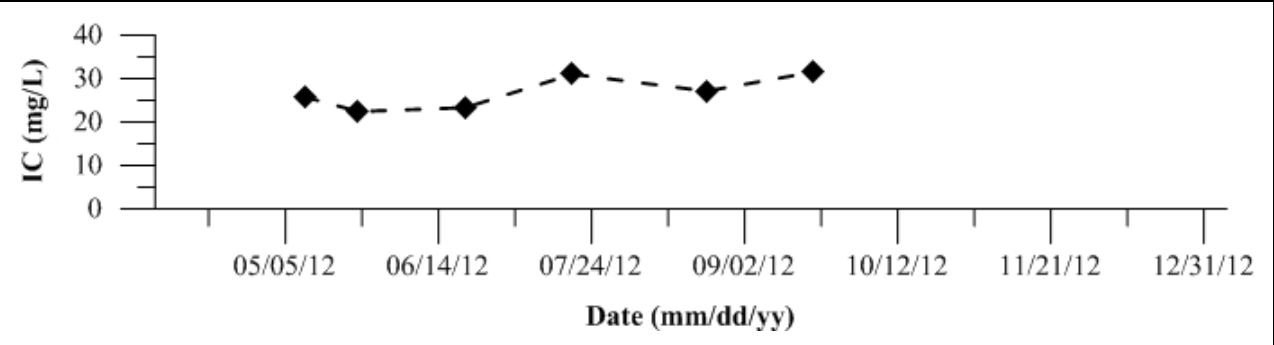


Figure 1373: Inorganic Carbon (IC) for Site 34 Ingram Creek. Data collected in 2012.

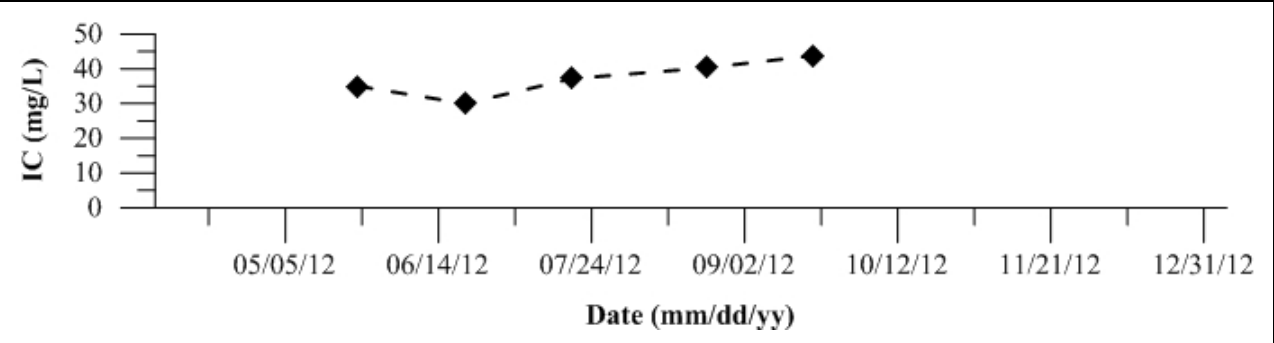


Figure 1374: Inorganic Carbon (IC) for Site 44 San Luis Drain End. Data collected in 2012.

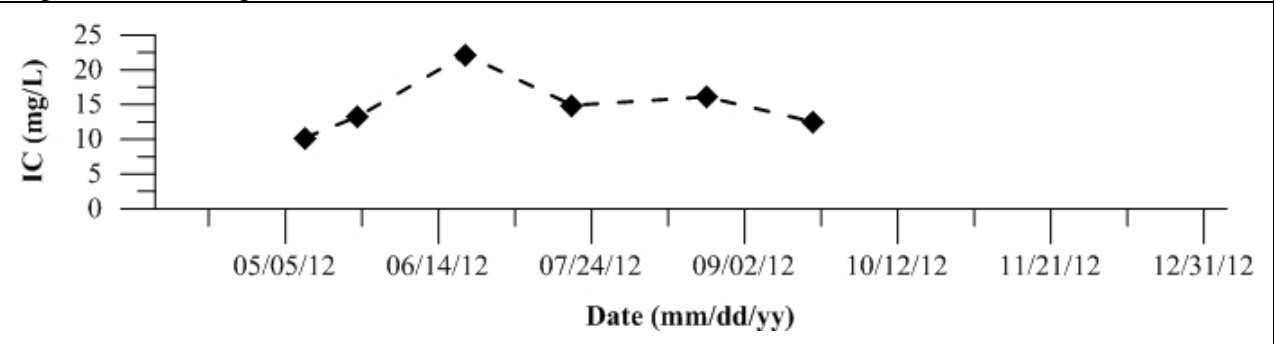


Figure 1375: Inorganic Carbon (IC) for Site 127 SJR at Brant Bridge. Data collected in 2012.

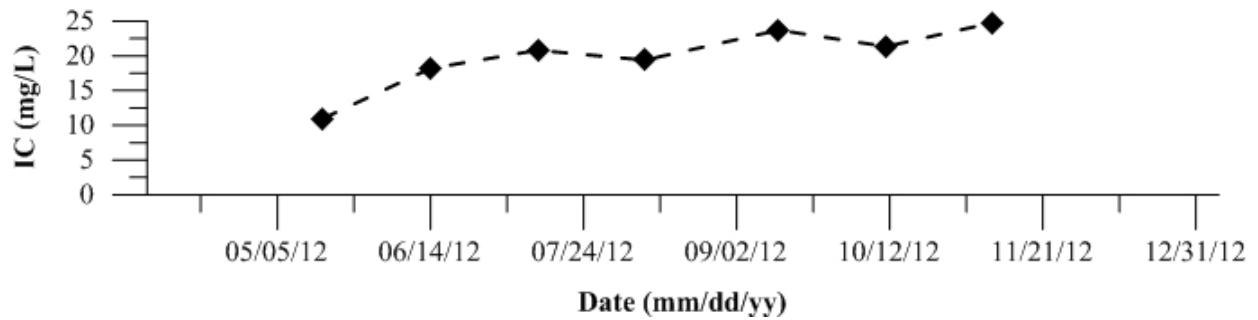


Figure 1376: Inorganic Carbon (IC) for Site 402 Light 18 (Node 96). Data collected in 2012.

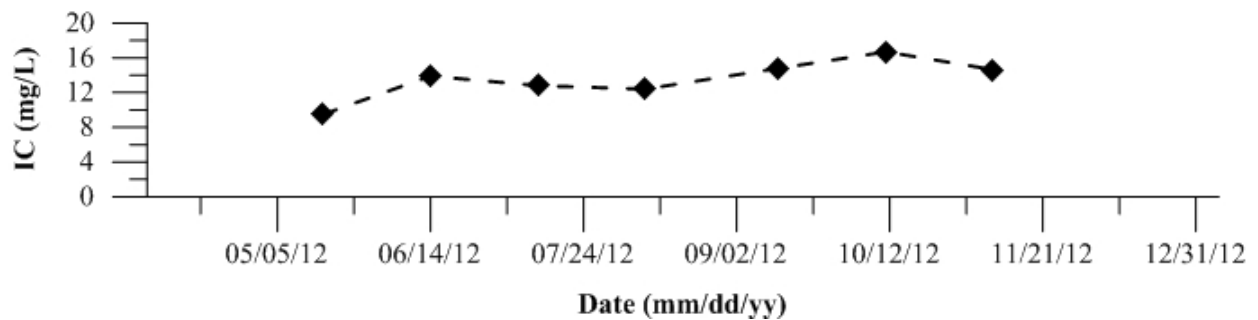


Figure 1377: Inorganic Carbon (IC) for Site 405 Calaveras River. Data collected in 2012.

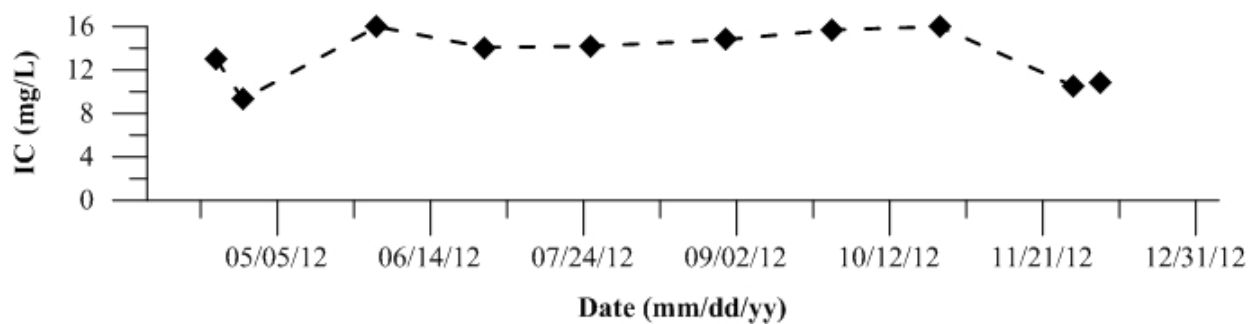


Figure 1378: Inorganic Carbon (IC) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

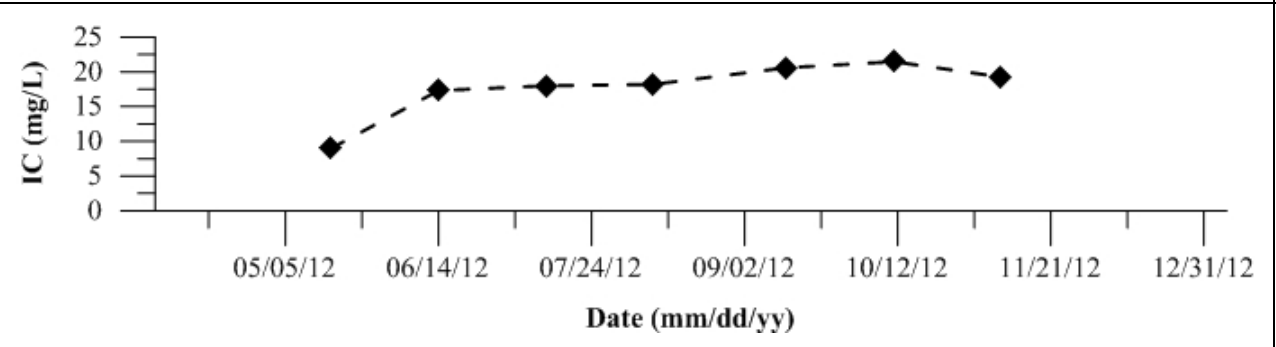


Figure 1379: Inorganic Carbon (IC) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

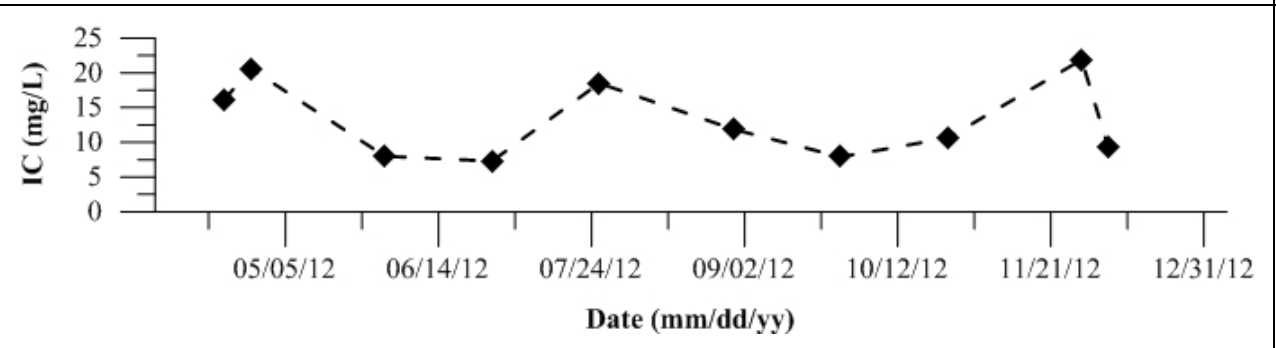


Figure 1380: Inorganic Carbon (IC) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

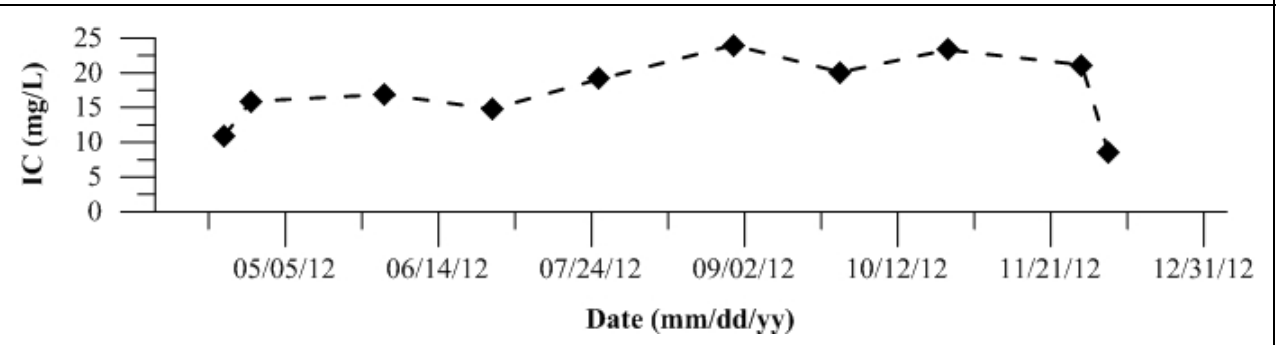


Figure 1381: Inorganic Carbon (IC) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

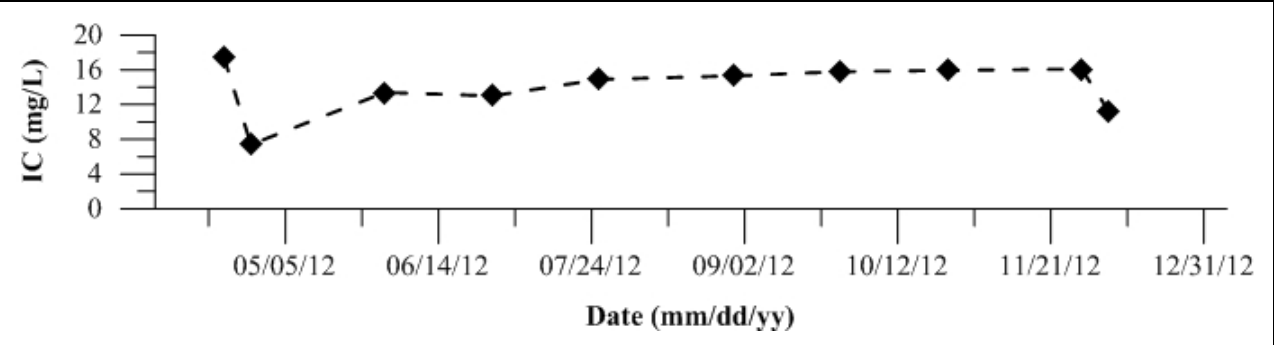


Figure 1382: Inorganic Carbon (IC) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

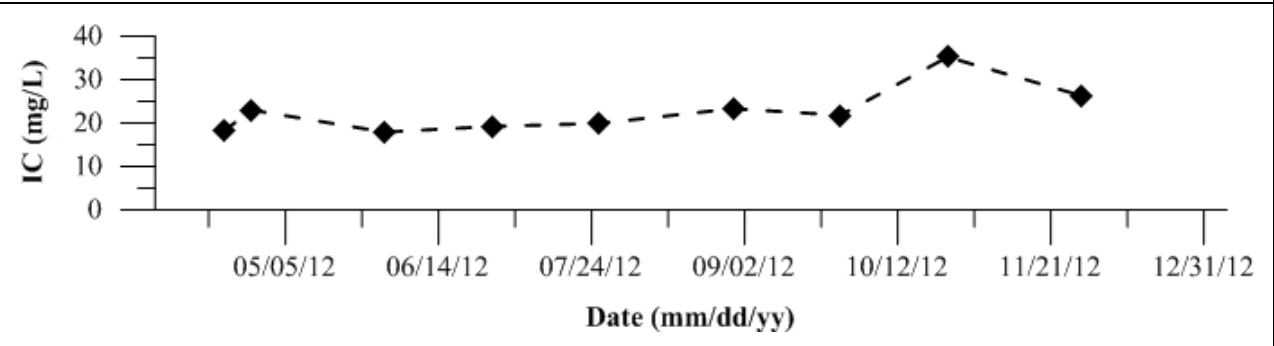


Figure 1383: Inorganic Carbon (IC) for Site 424 14mi Slough. Data collected in 2012.

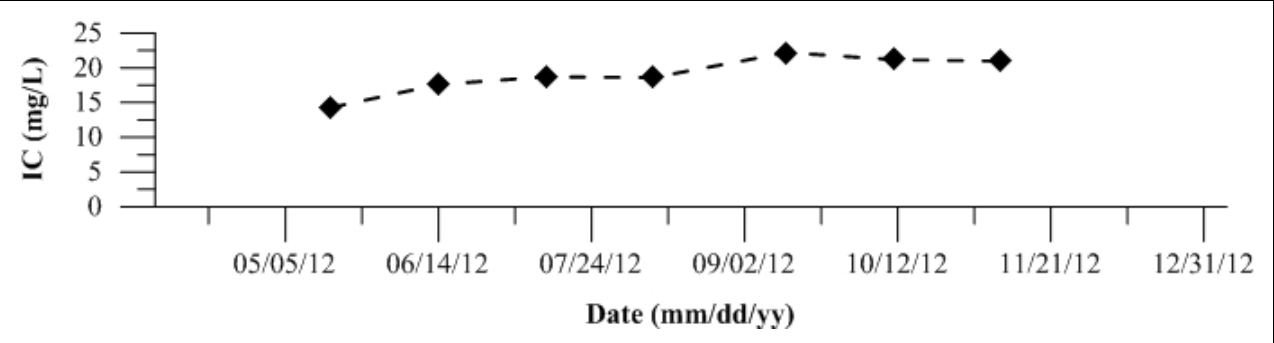


Figure 1384: Inorganic Carbon (IC) for Site 425 Turner Cut. Data collected in 2012.

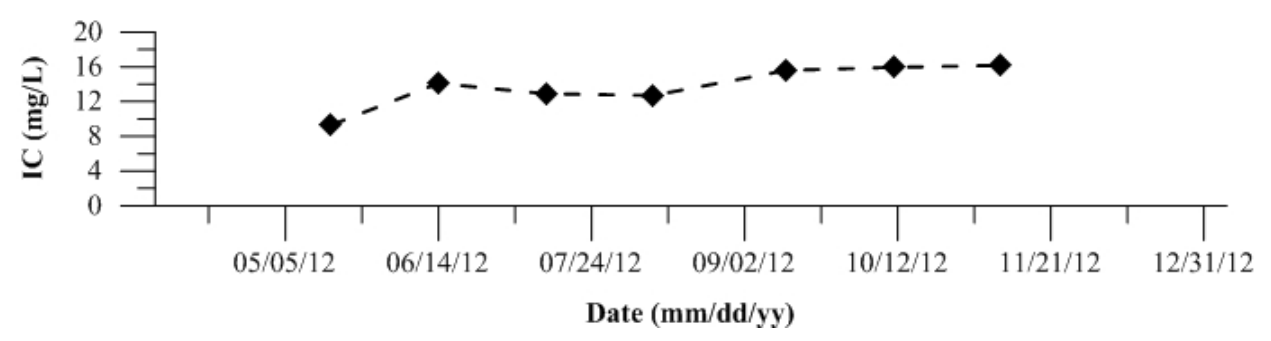


Figure 1385: Inorganic Carbon (IC) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

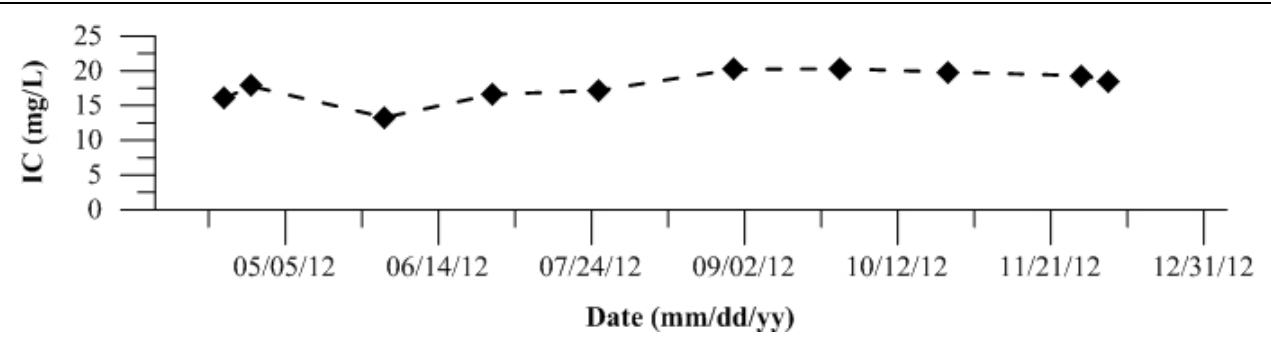


Figure 1386: Inorganic Carbon (IC) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

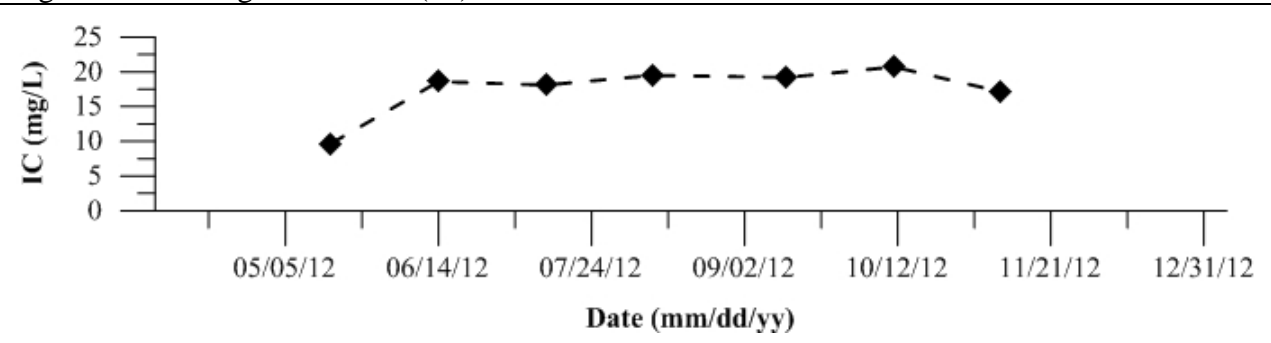


Figure 1387: Inorganic Carbon (IC) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

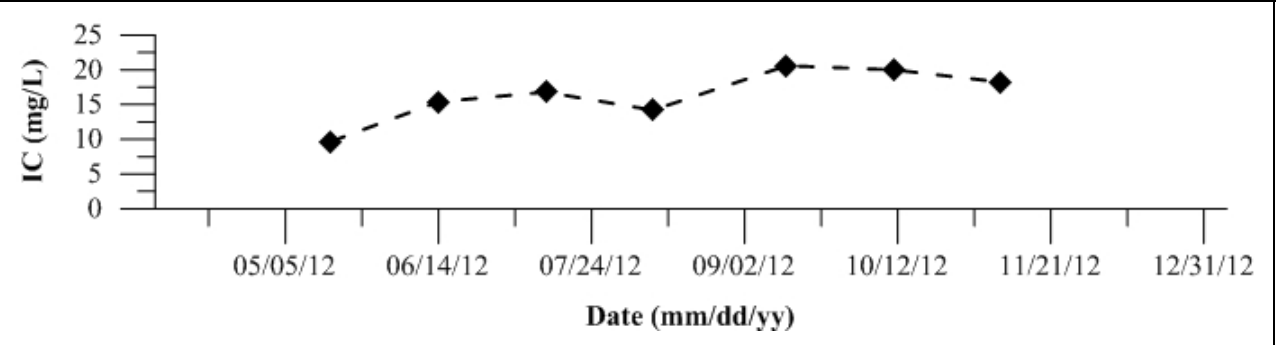
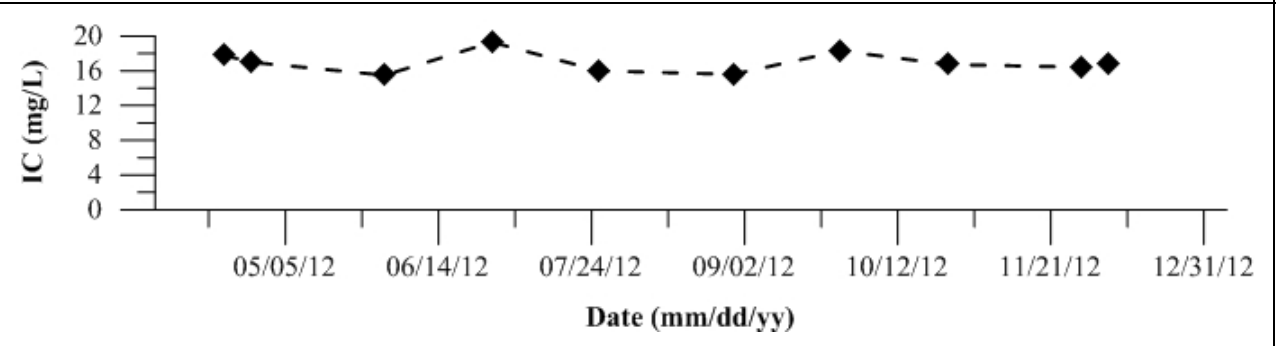


Figure 1388: Inorganic Carbon (IC) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1389-1414: Temporal plots of Total Suspended Solids (TSS) by Site ID

Figure 1389: Total Suspended Solids (TSS) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

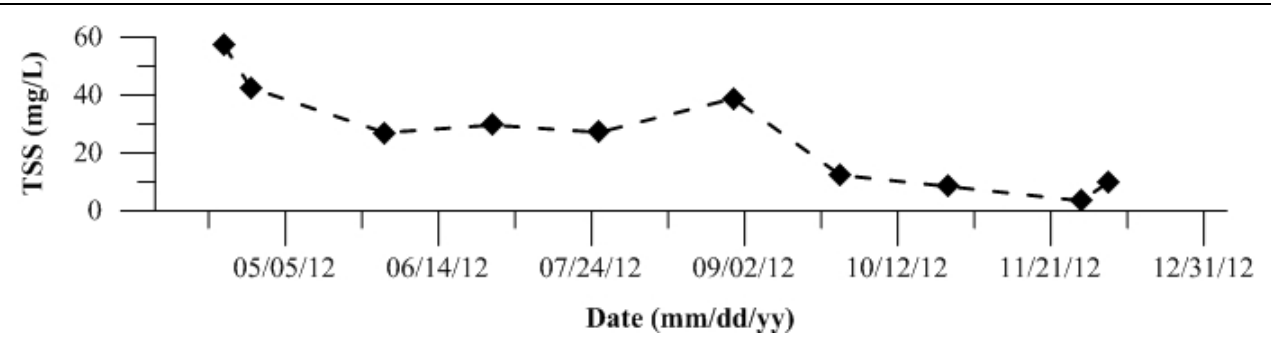


Figure 1390: Total Suspended Solids (TSS) for Site 4 SJR at Mossdale. Data collected in 2012.

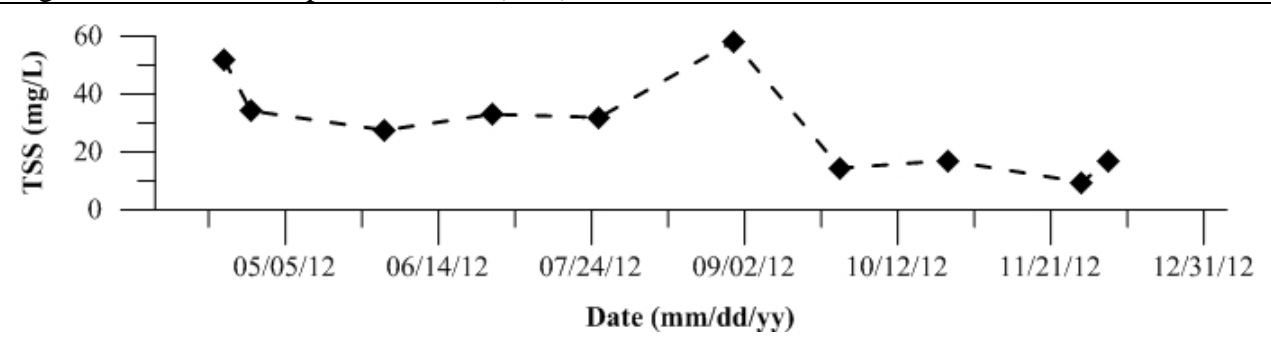


Figure 1391: Total Suspended Solids (TSS) for Site 7 SJR at Patterson. Data collected in 2012.

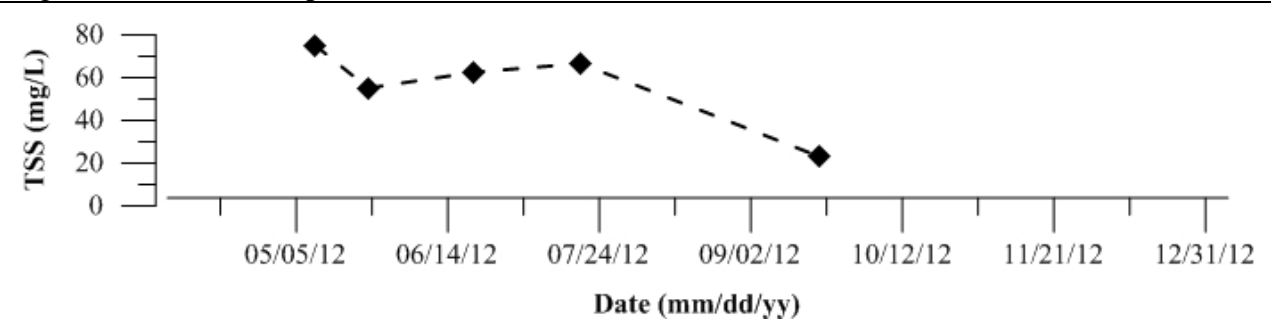


Figure 1392: Total Suspended Solids (TSS) for Site 10 SJR at Lander Avenue. Data collected in 2012.

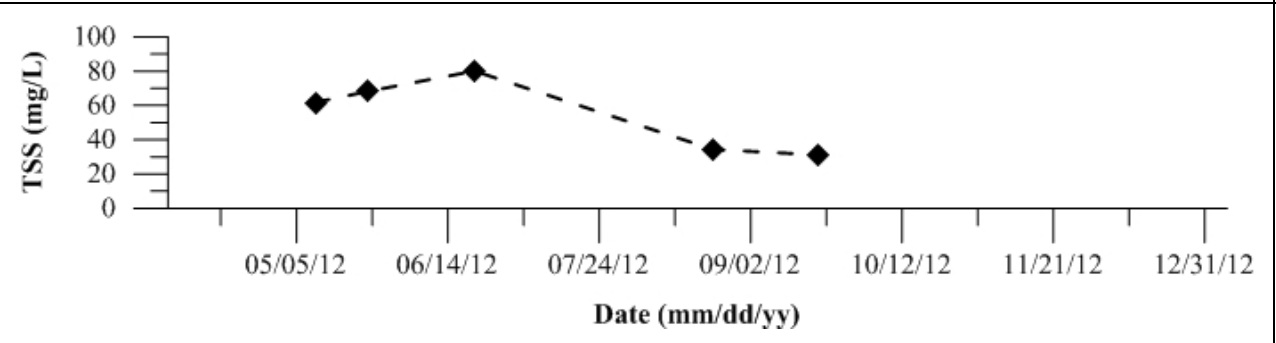


Figure 1393: Total Suspended Solids (TSS) for Site 11 French Camp Slough. Data collected in 2012.

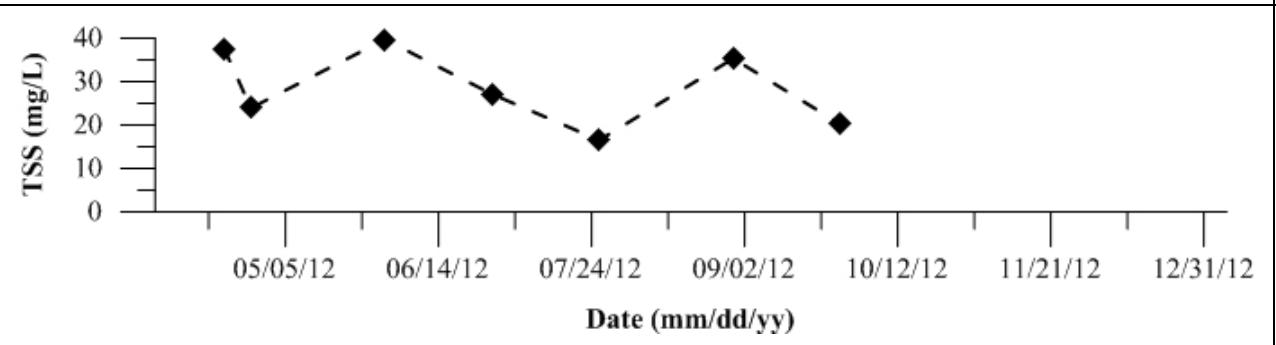


Figure 1394: Total Suspended Solids (TSS) for Site 16 Merced River at River Road. Data collected in 2012.

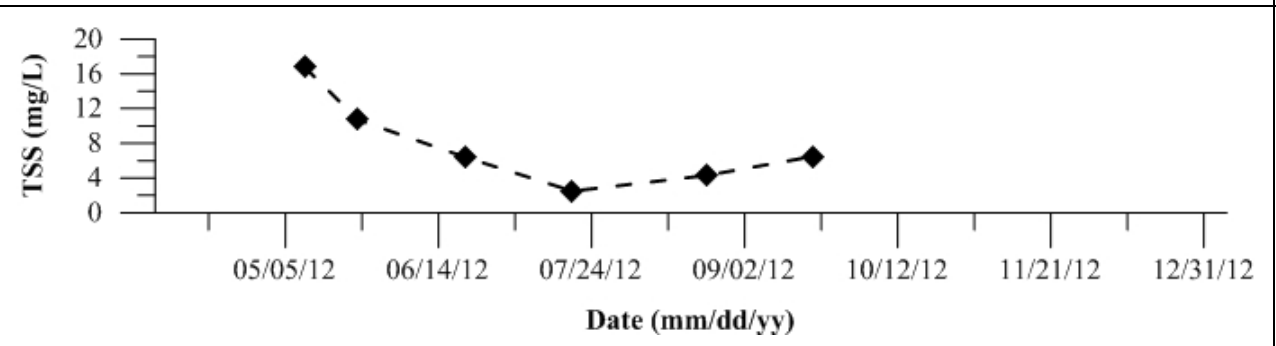


Figure 1395: Total Suspended Solids (TSS) for Site 18 Mud Slough near Gustine. Data collected in 2012.

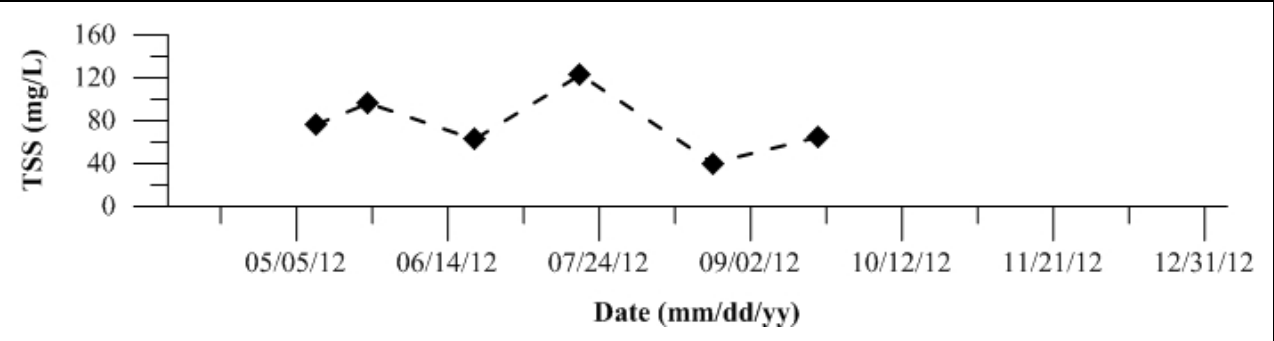


Figure 1396: Total Suspended Solids (TSS) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

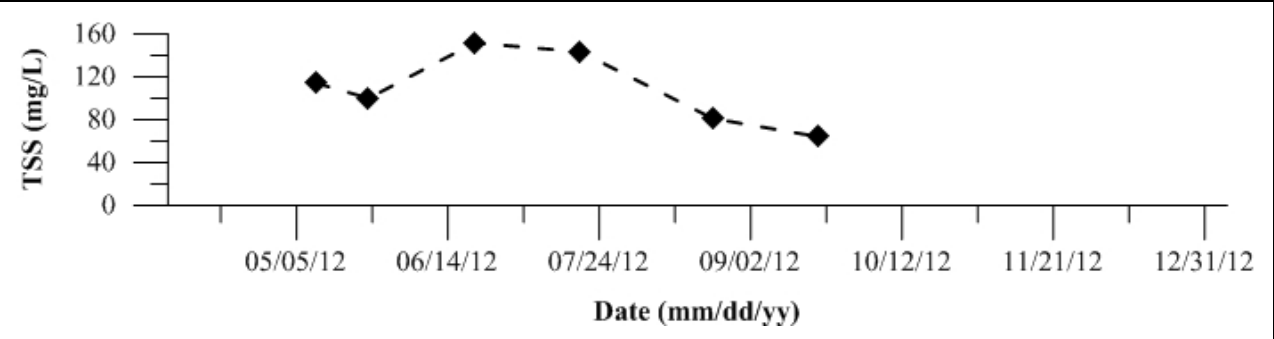


Figure 1397: Total Suspended Solids (TSS) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

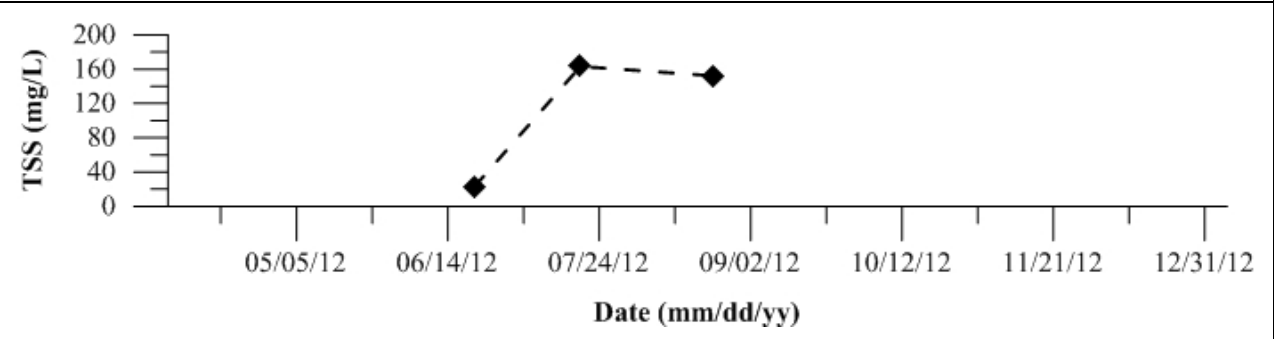


Figure 1398: Total Suspended Solids (TSS) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

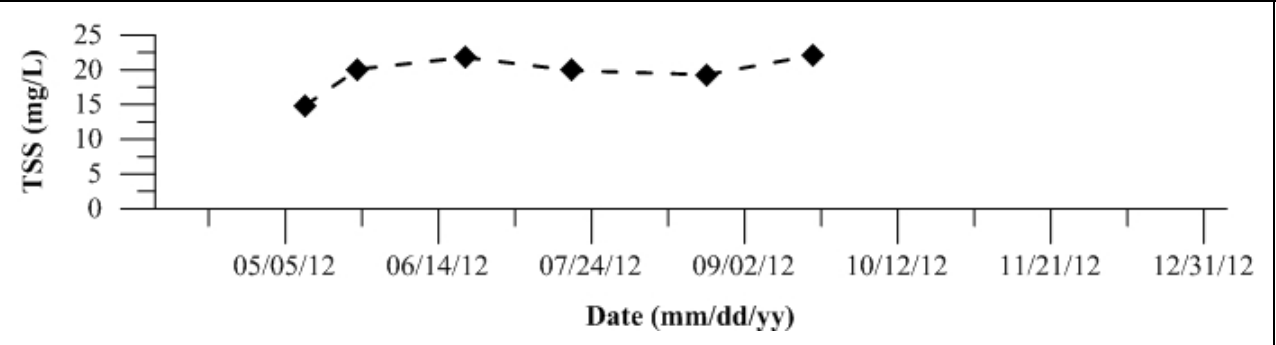


Figure 1399: Total Suspended Solids (TSS) for Site 34 Ingram Creek. Data collected in 2012.

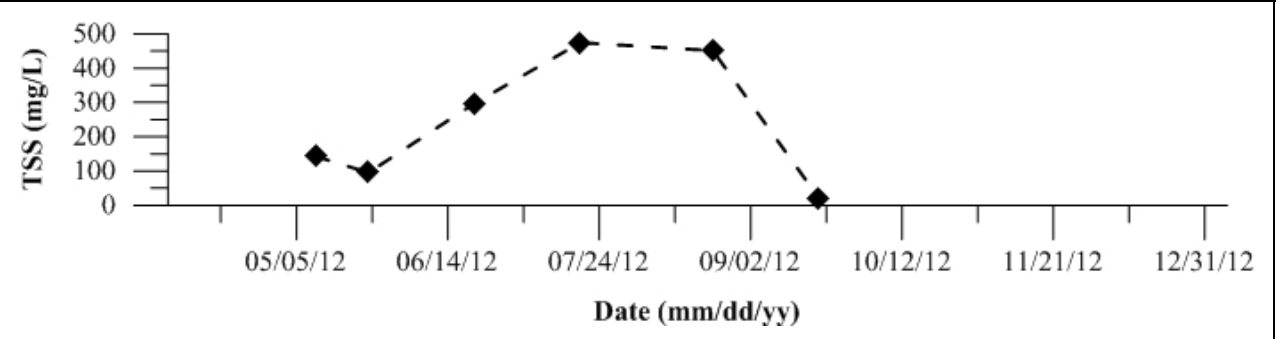


Figure 1400: Total Suspended Solids (TSS) for Site 44 San Luis Drain End. Data collected in 2012.

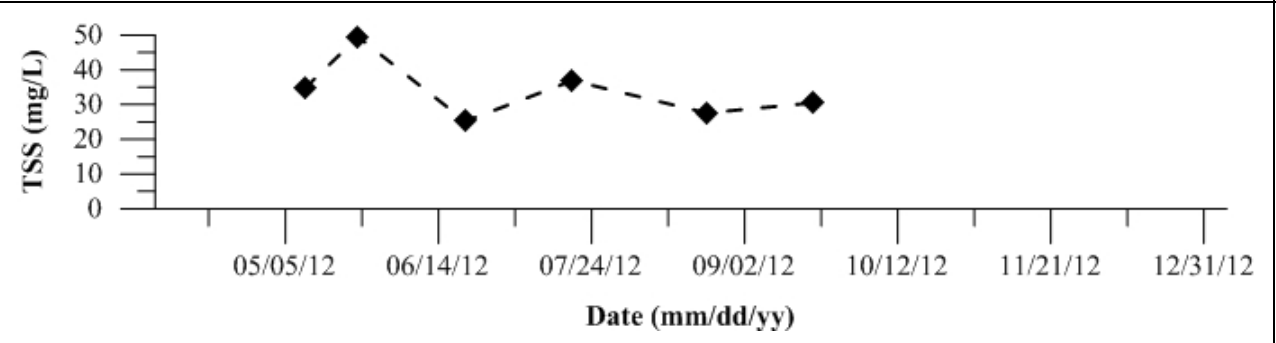


Figure 1401: Total Suspended Solids (TSS) for Site 127 SJR at Brant Bridge. Data collected in 2012.

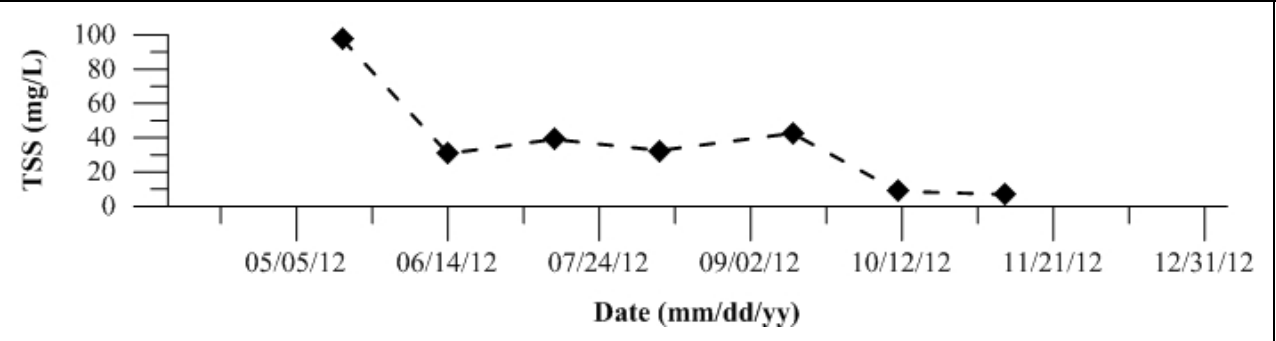


Figure 1402: Total Suspended Solids (TSS) for Site 402 Light 18 (Node 96). Data collected in 2012.

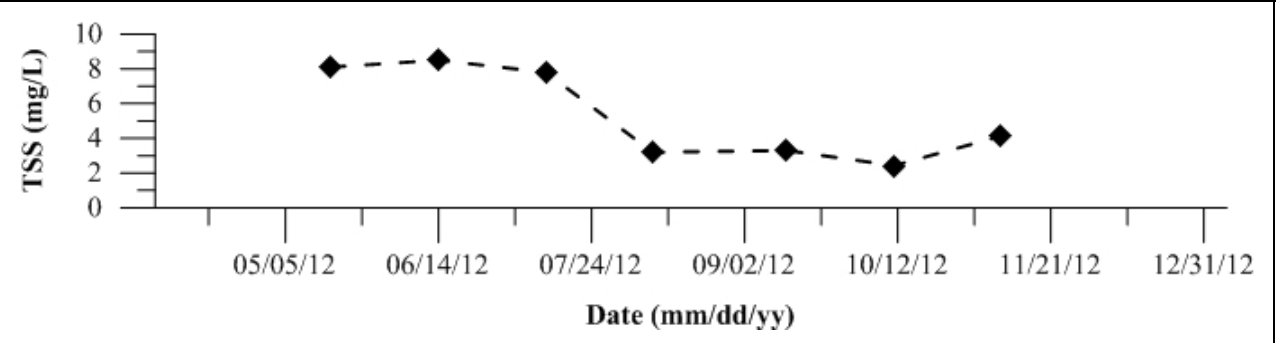


Figure 1403: Total Suspended Solids (TSS) for Site 405 Calaveras River. Data collected in 2012.

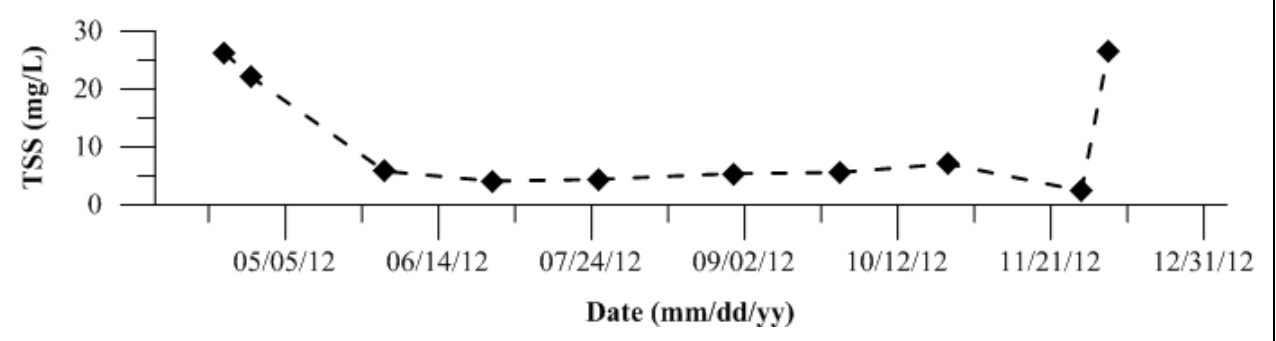


Figure 1404: Total Suspended Solids (TSS) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

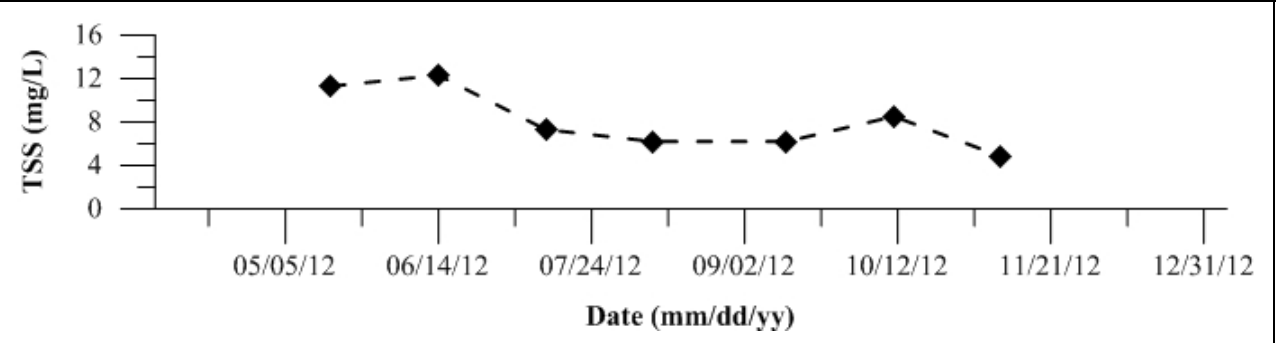


Figure 1405: Total Suspended Solids (TSS) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

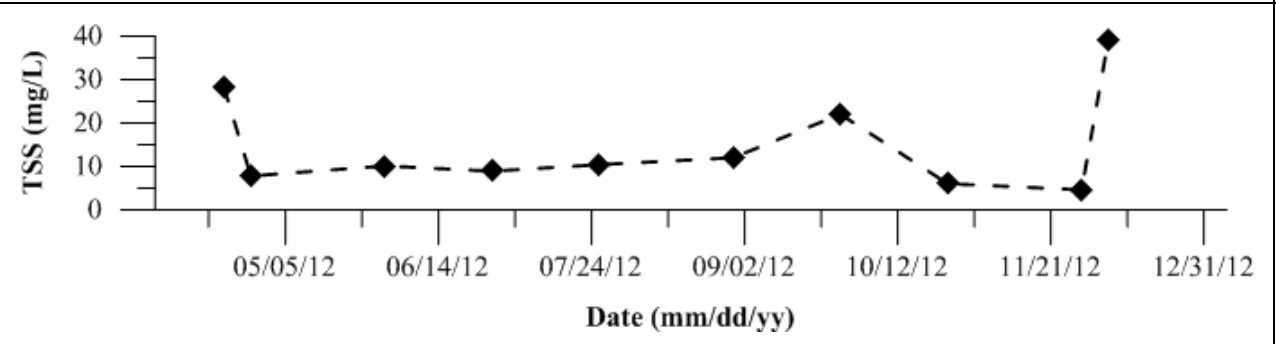


Figure 1406: Total Suspended Solids (TSS) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

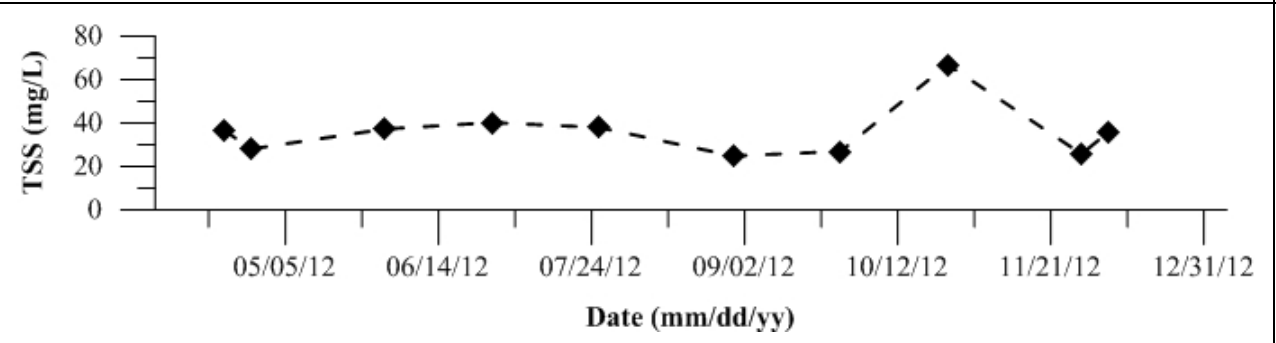


Figure 1407: Total Suspended Solids (TSS) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

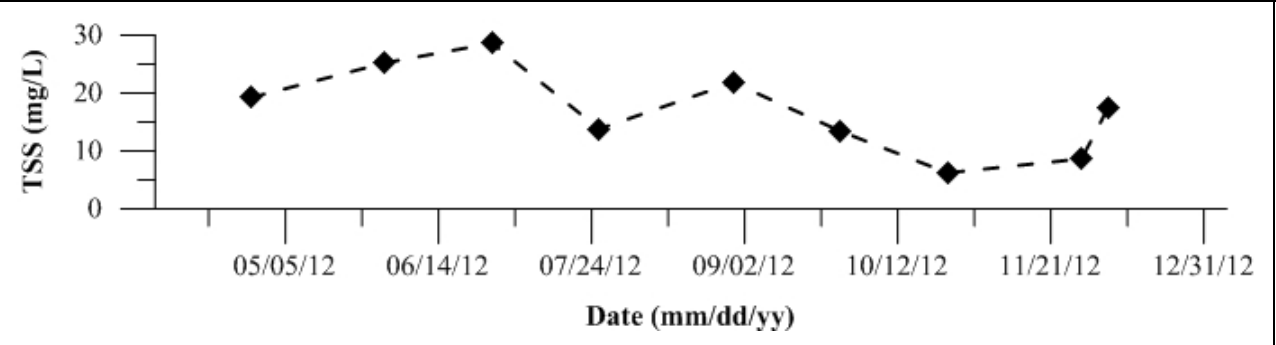


Figure 1408: Total Suspended Solids (TSS) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

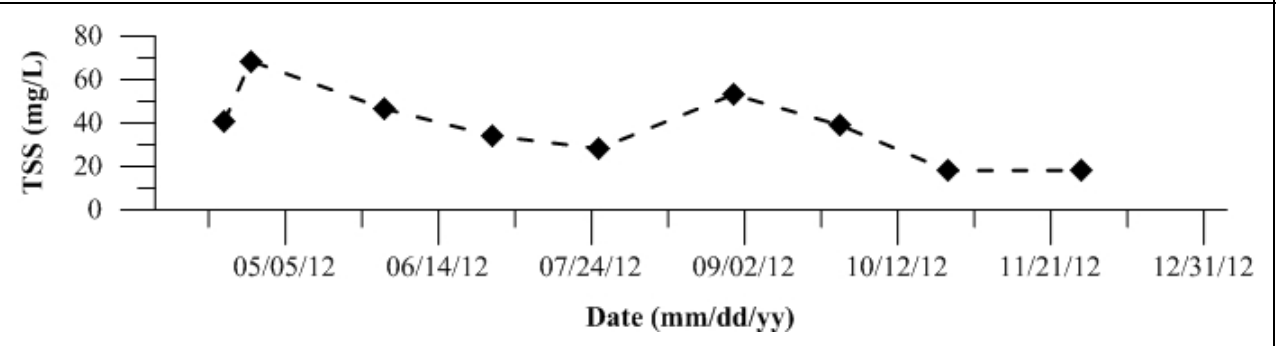


Figure 1409: Total Suspended Solids (TSS) for Site 424 14mi Slough. Data collected in 2012.

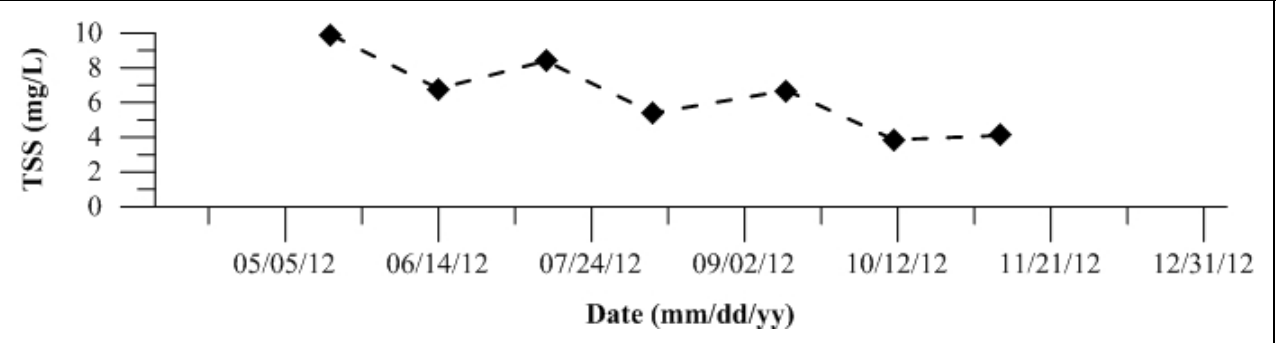


Figure 1410: Total Suspended Solids (TSS) for Site 425 Turner Cut. Data collected in 2012.

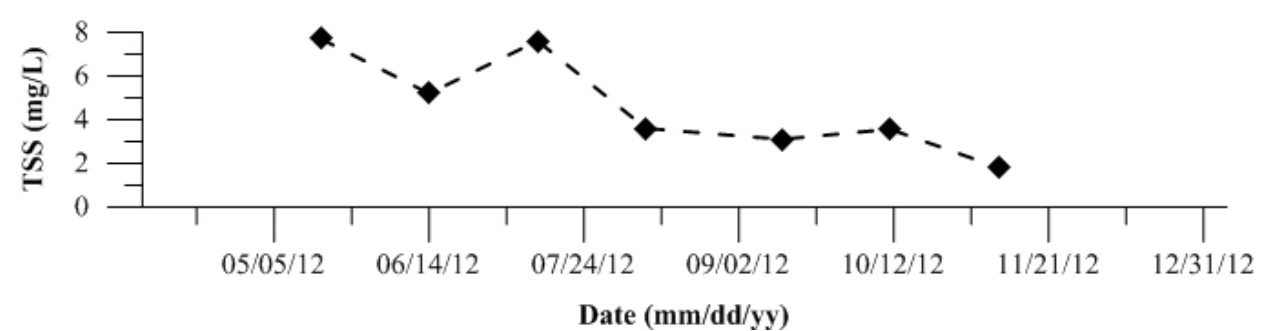


Figure 1411: Total Suspended Solids (TSS) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012. Data collected in 2012.

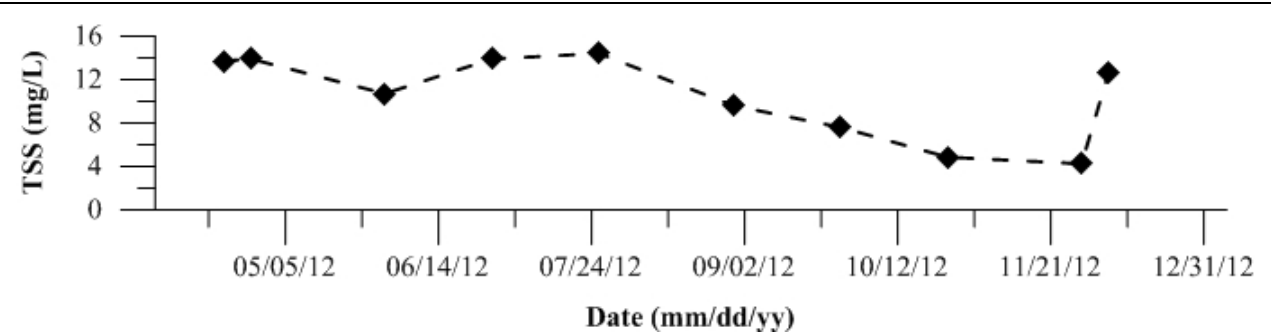


Figure 1412: Total Suspended Solids (TSS) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

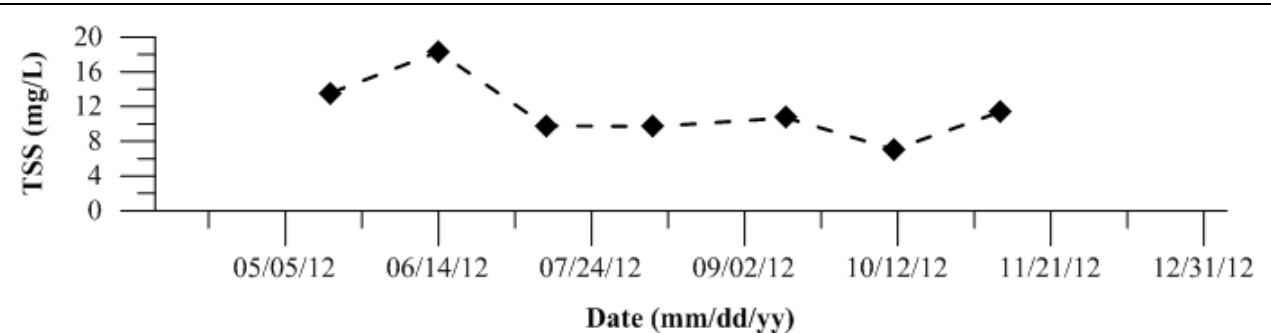


Figure 1413: Total Suspended Solids (TSS) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

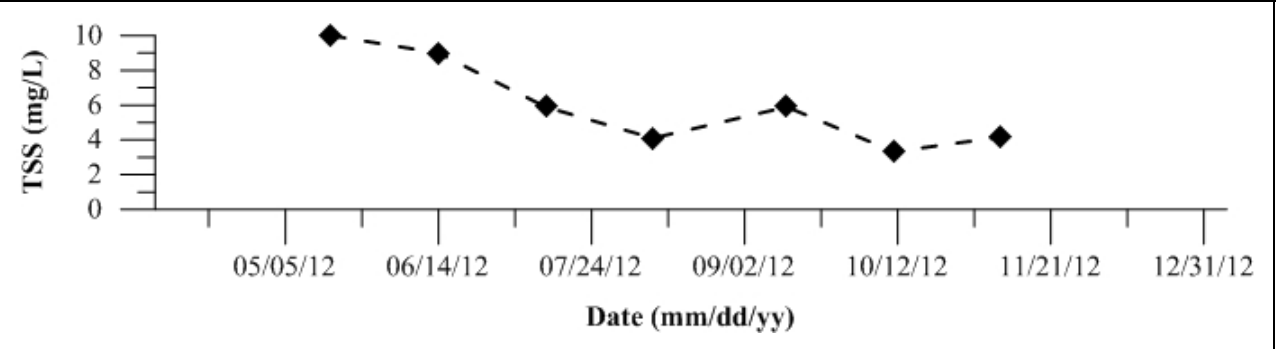
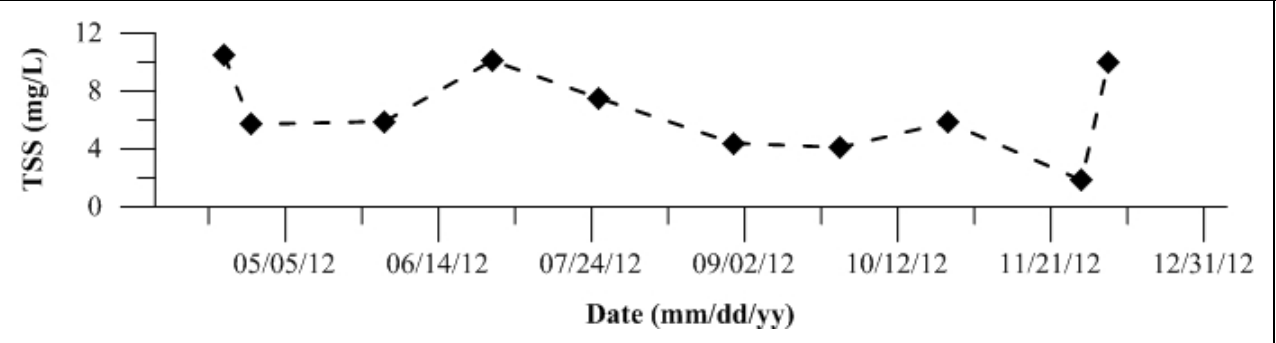


Figure 1414: Total Suspended Solids (TSS) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1415-1440: Temporal plots of Mineral Suspended Solids (MSS) by Site ID

Figure 1415: Mineral Suspended Solids for Site 2 SJR at Dos Reis Park. Data collected in 2012.

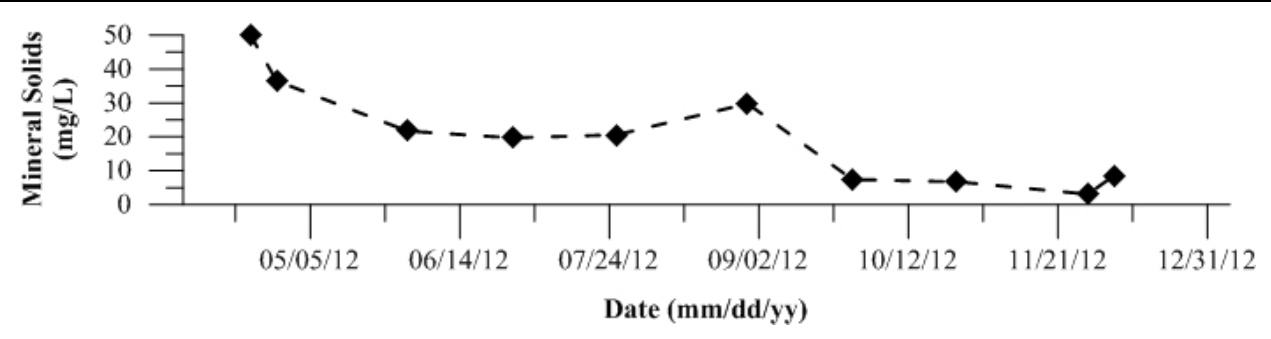


Figure 1416: Mineral Suspended Solids for Site 4 SJR at Mossdale. Data collected in 2012.

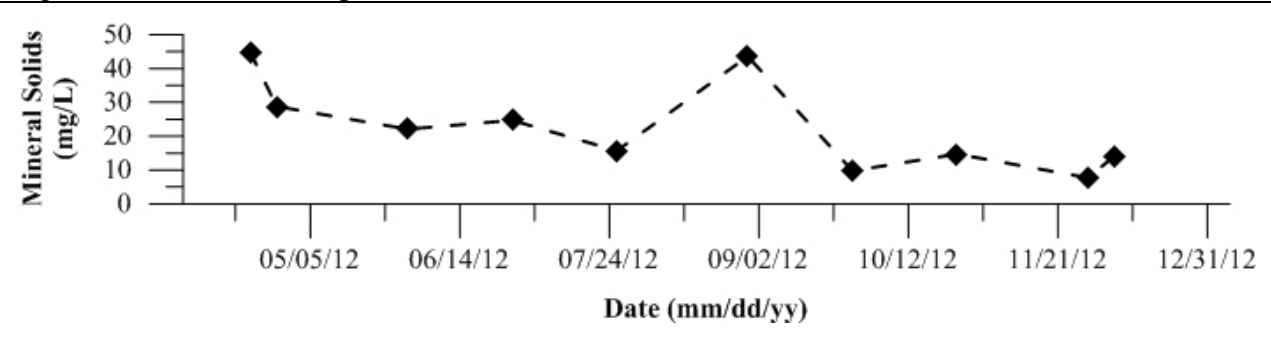


Figure 1417: Mineral Suspended Solids for Site 7 SJR at Patterson. Data collected in 2012.

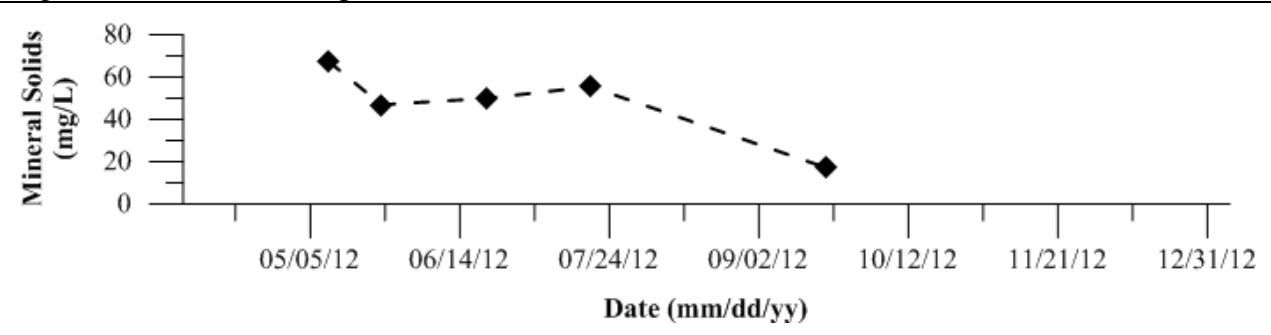


Figure 1418: Mineral Suspended Solids for Site 10 SJR at Lander Avenue. Data collected in 2012.

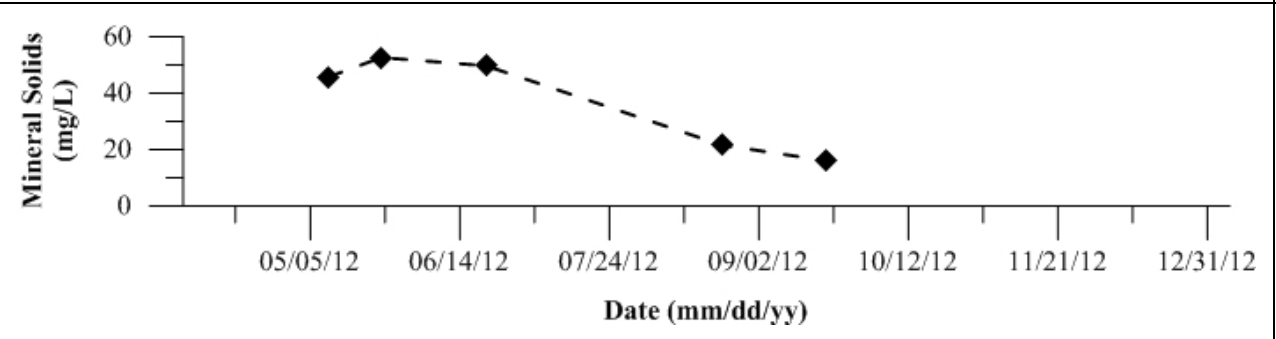


Figure 1419: Mineral Suspended Solids for Site 11 French Camp Slough. Data collected in 2012.

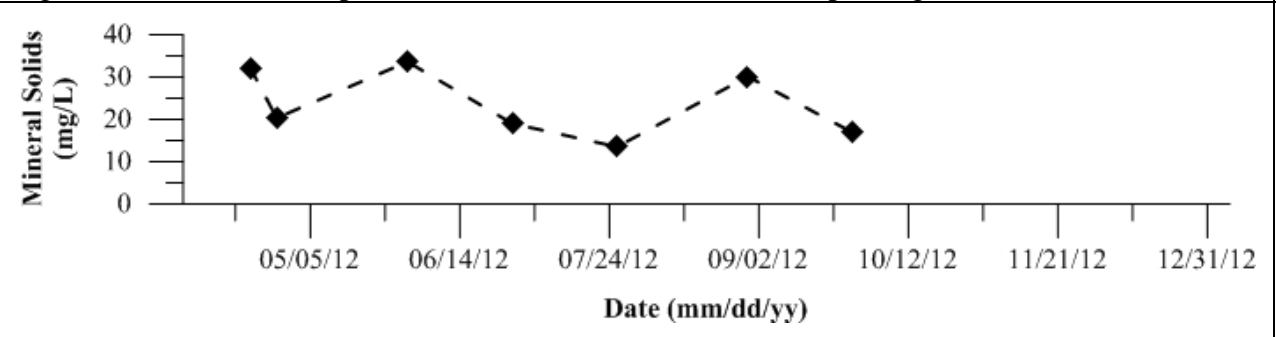


Figure 1420: Mineral Suspended Solids for Site 16 Merced River at River Road. Data collected in 2012.

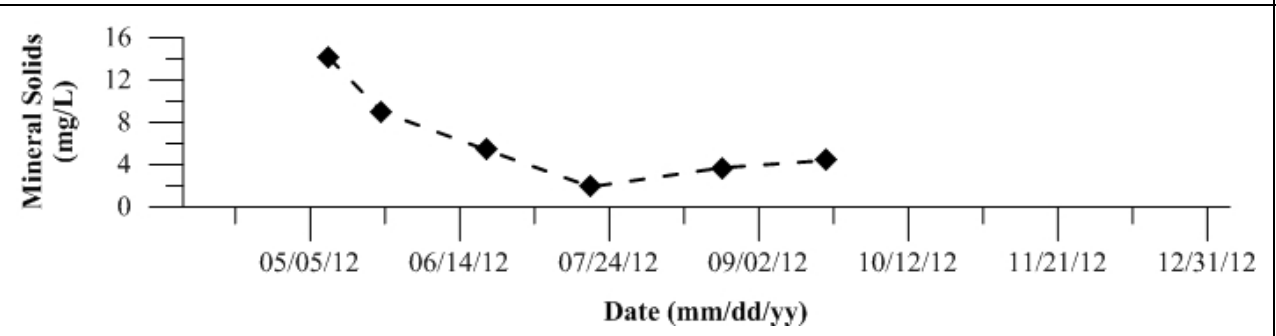


Figure 1421: Mineral Suspended Solids for Site 18 Mud Slough near Gustine. Data collected in 2012.

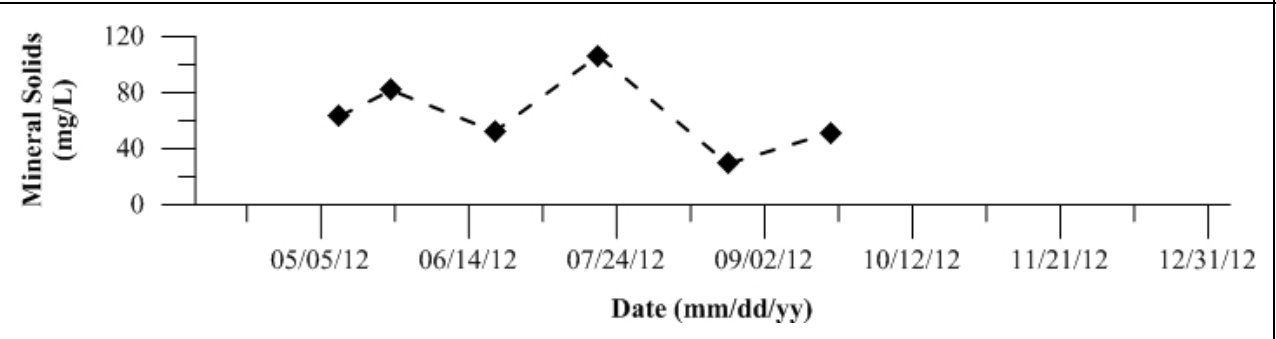


Figure 1422: Mineral Suspended Solids for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

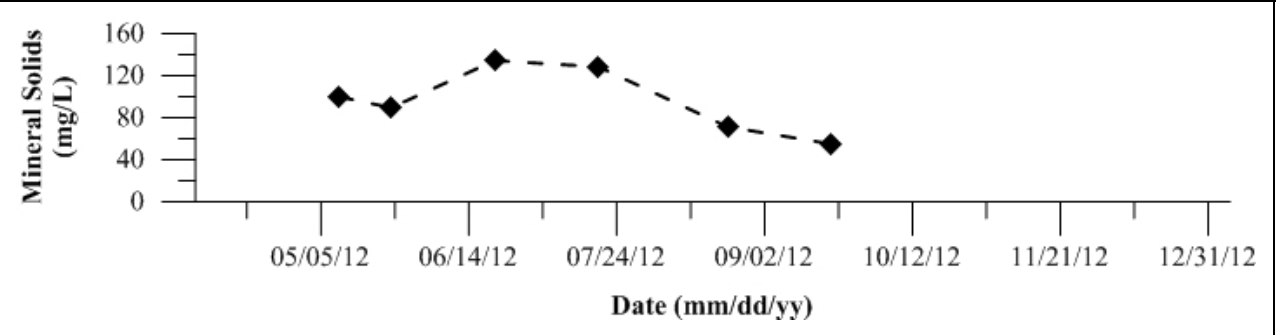


Figure 1423: Mineral Suspended Solids for Site 21 Orestimba Creek at River Road. Data collected in 2012.

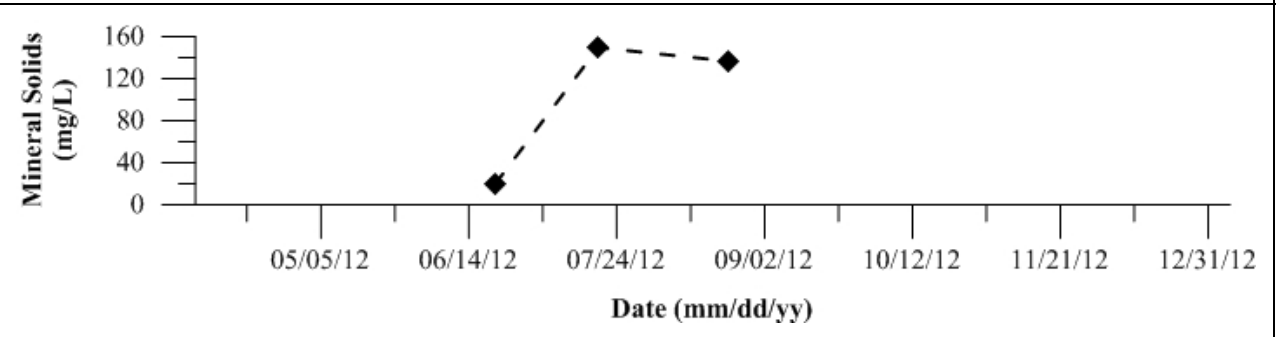


Figure 1424: Mineral Suspended Solids for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

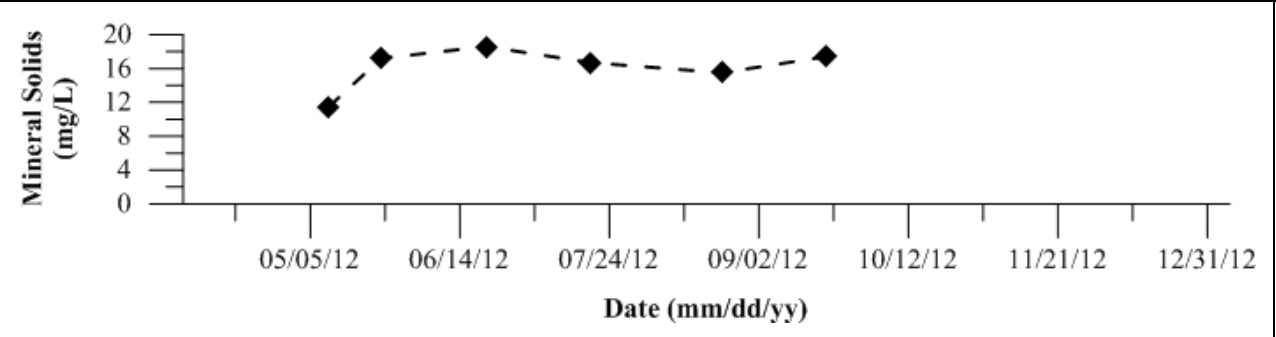


Figure 1425: Mineral Suspended Solids for Site 34 Ingram Creek. Data collected in 2012.

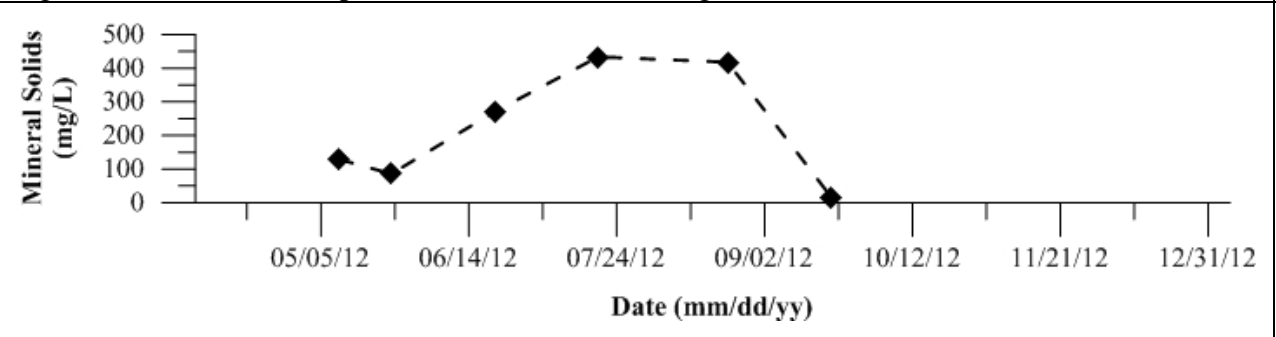


Figure 1426: Mineral Suspended Solids for Site 44 San Luis Drain End. Data collected in 2012.

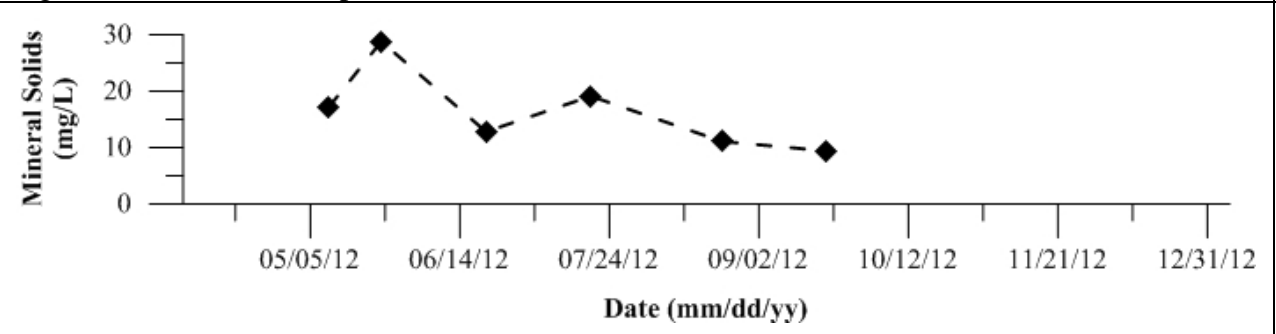


Figure 1427: Mineral Suspended Solids for Site 127 SJR at Brant Bridge. Data collected in 2012.

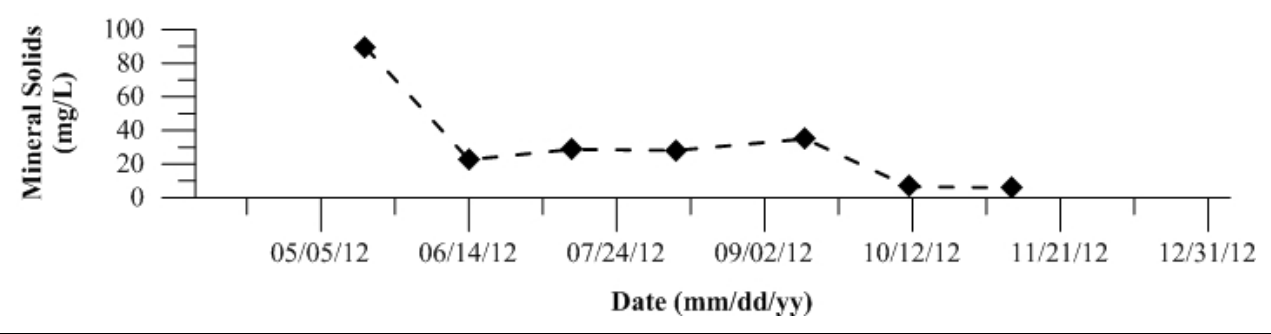


Figure 1428: Mineral Suspended Solids for Site 402 Light 18 (Node 96). Data collected in 2012.

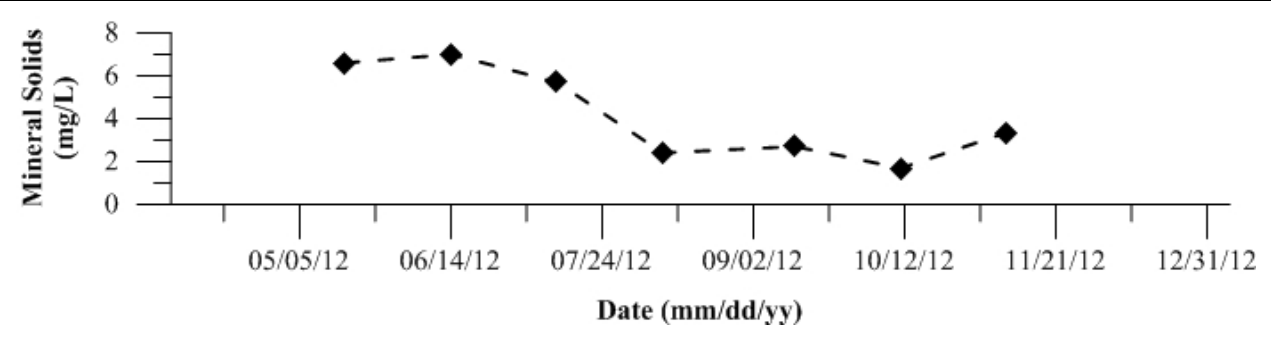


Figure 1429: Mineral Suspended Solids for Site 405 Calaveras River. Data collected in 2012.

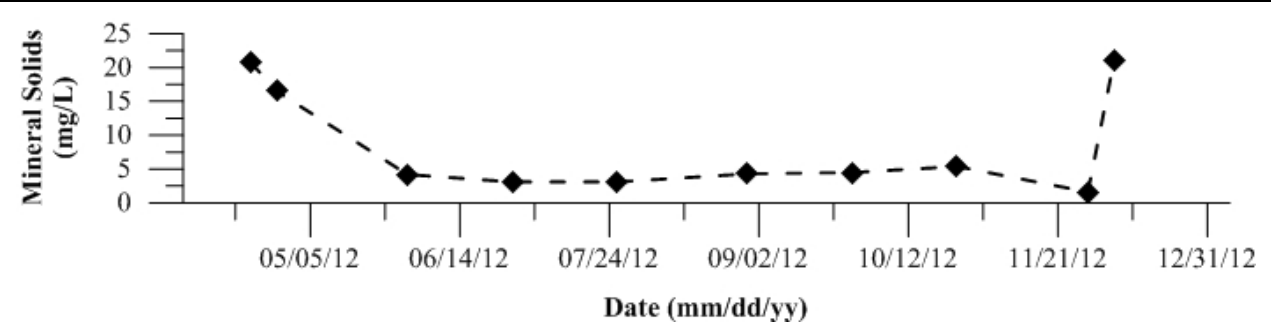


Figure 1430: Mineral Suspended Solids for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

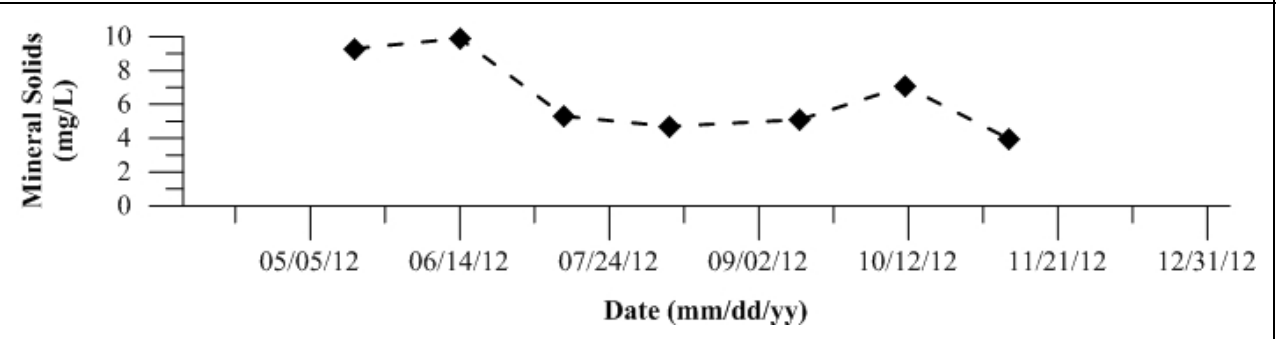


Figure 1431: Mineral Suspended Solids for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

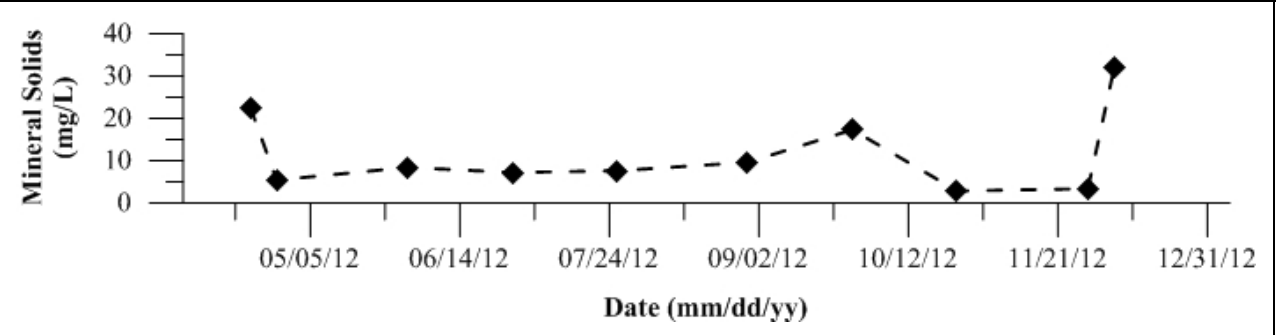


Figure 1432: Mineral Suspended Solids for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

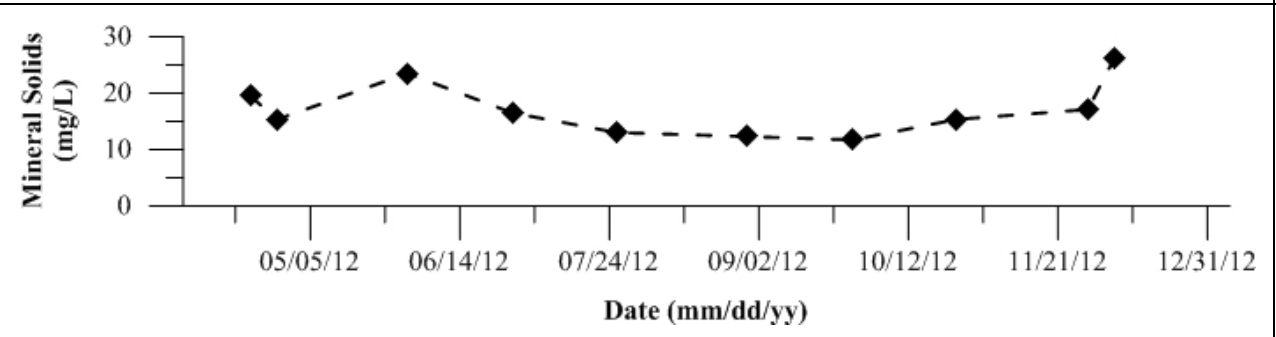


Figure 1433: Mineral Suspended Solids for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

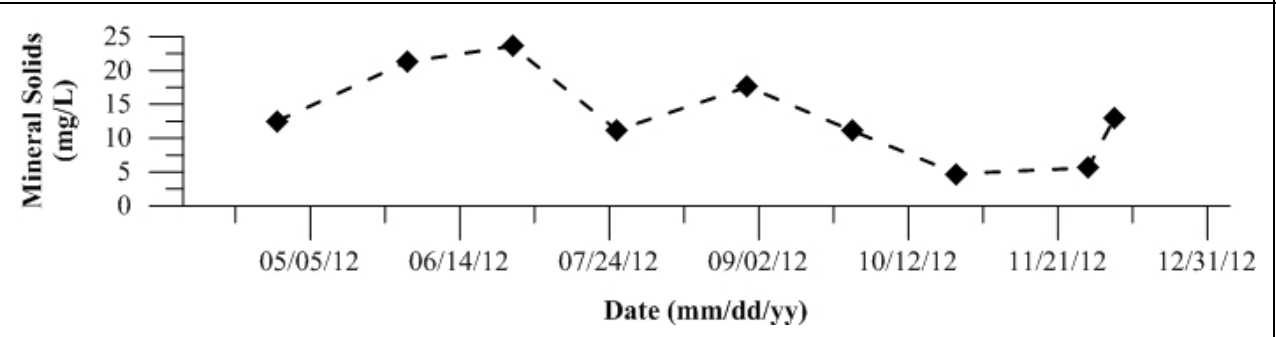


Figure 1434: Mineral Suspended Solids for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

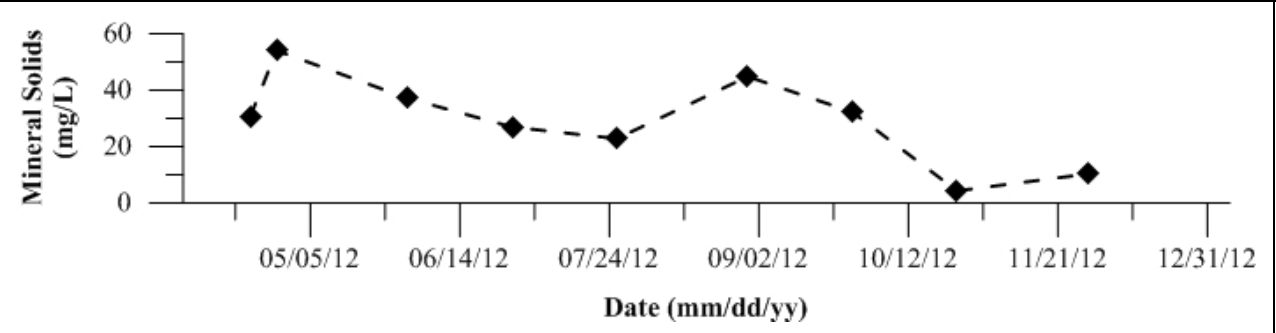


Figure 1435: Mineral Suspended Solids for Site 424 14mi Slough. Data collected in 2012.

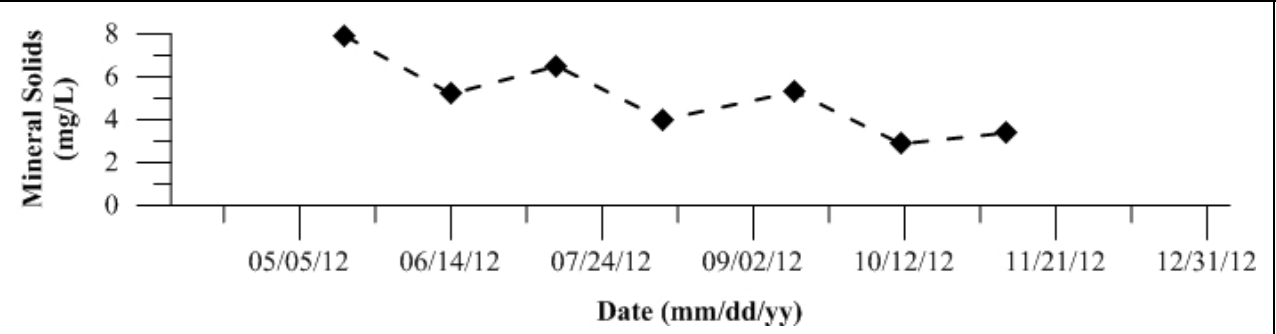


Figure 1436: Mineral Suspended Solids for Site 425 Turner Cut. Data collected in 2012.

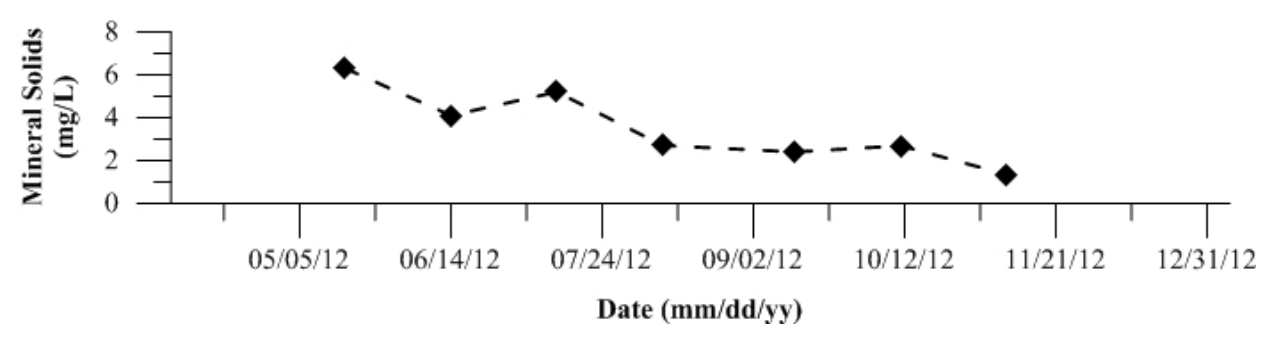


Figure 1437: Mineral Suspended Solids for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

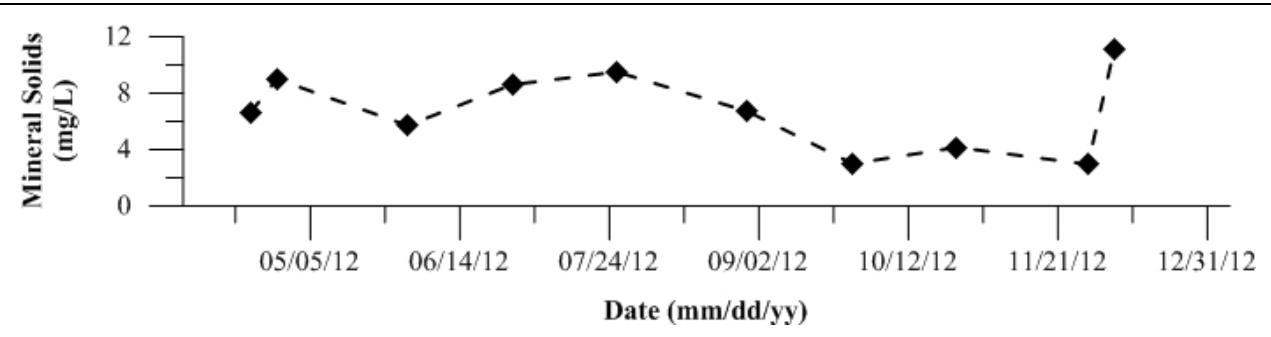


Figure 1438: Mineral Suspended Solids for Site 427 RM 39 Near Louis Park. Data collected in 2012.

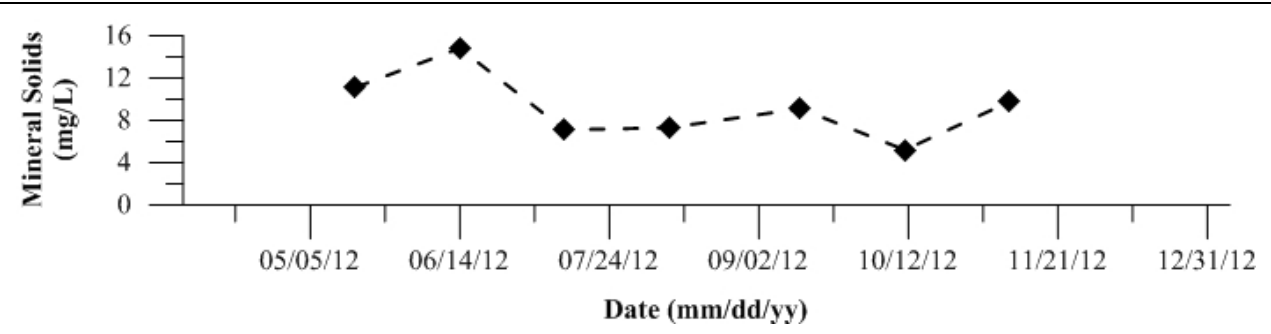


Figure 1439: Mineral Suspended Solids for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

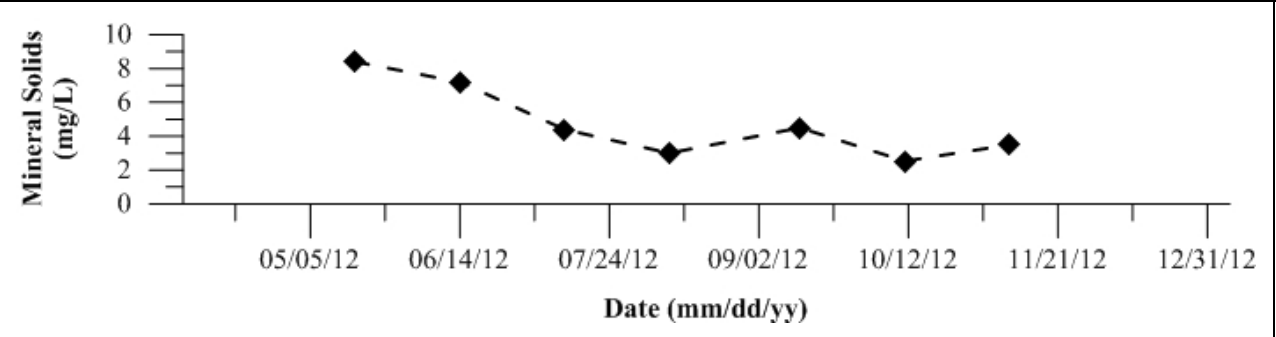
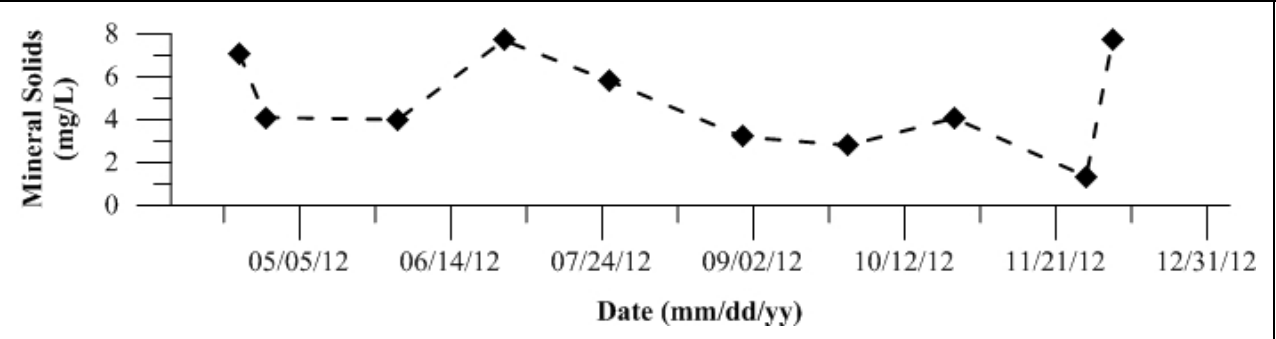


Figure 1440: Mineral Suspended Solids for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1441-1466: Temporal plots of Volatile Suspended Solids (VSS) by Site ID

Figure 1441: Volatile Suspended Solids (VSS) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

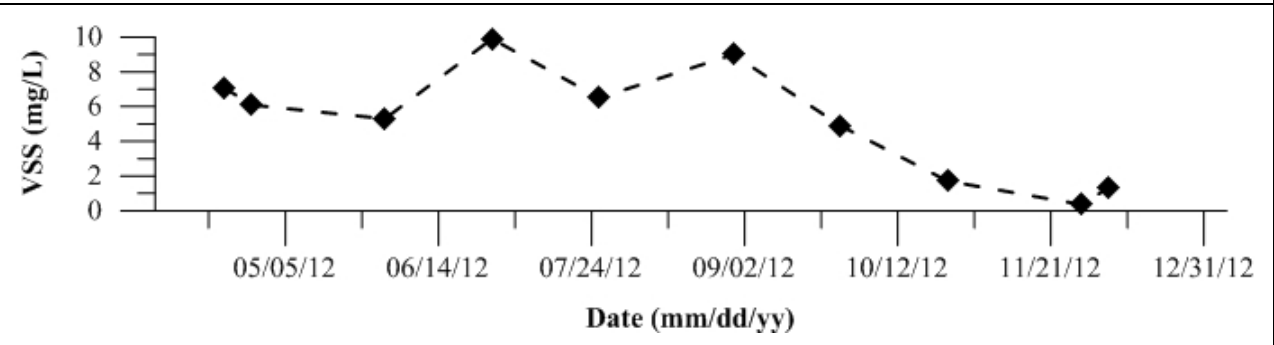


Figure 1442: Volatile Suspended Solids (VSS) for Site 4 SJR at Mossdale. Data collected in 2012.

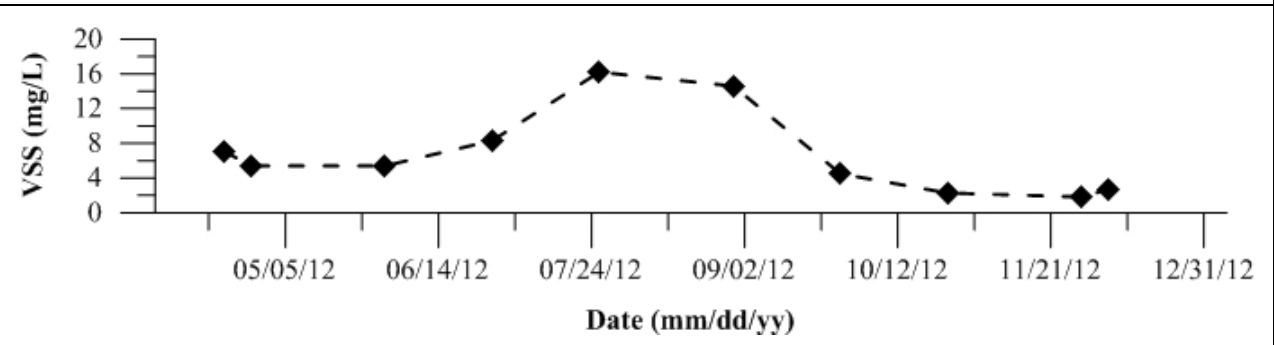


Figure 1443: Volatile Suspended Solids (VSS) for Site 7 SJR at Patterson. Data collected in 2012.

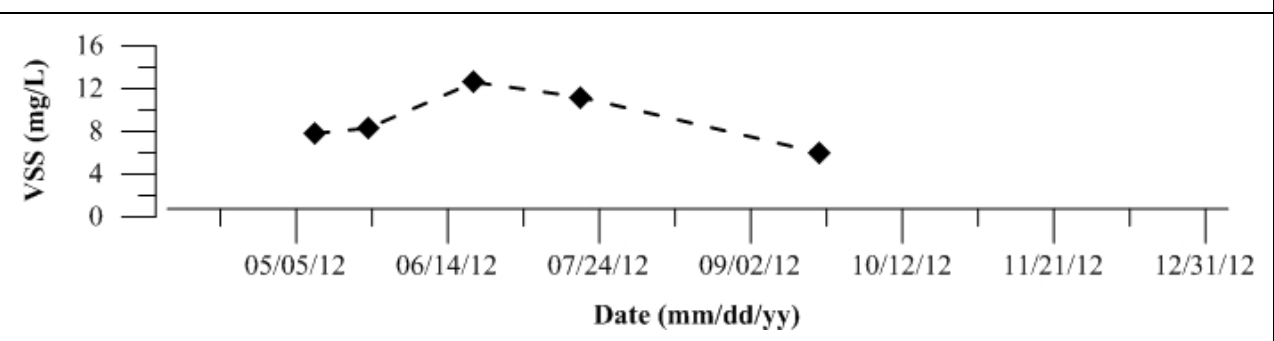


Figure 1444: Volatile Suspended Solids (VSS) for Site 10 SJR at Lander Avenue. Data collected in 2012.

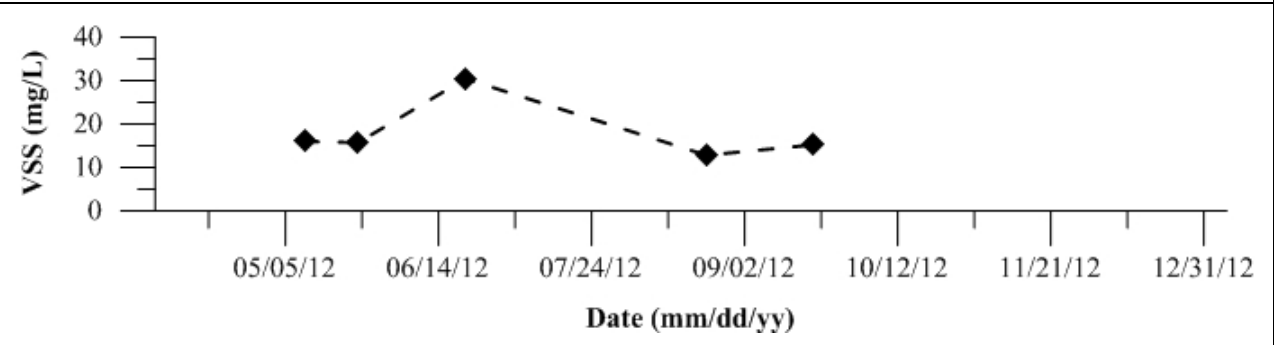


Figure 1445: Volatile Suspended Solids (VSS) for Site 11 French Camp Slough. Data collected in 2012.

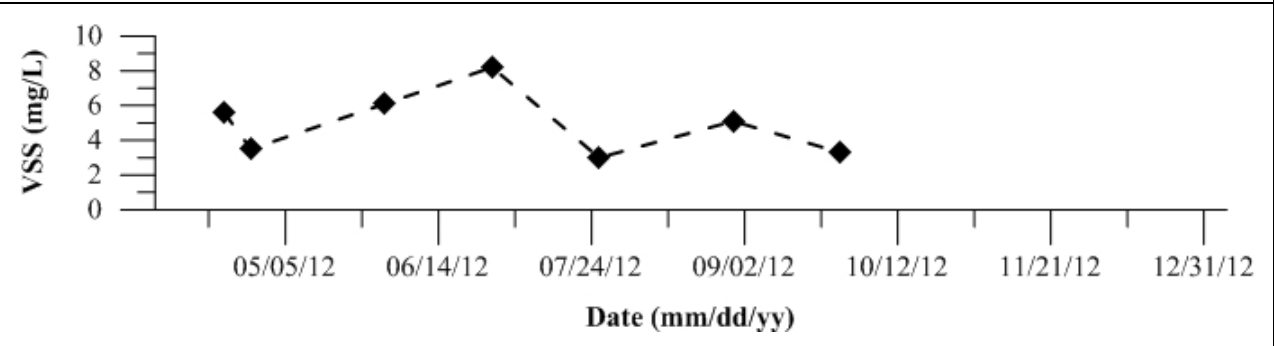


Figure 1446: Volatile Suspended Solids (VSS) for Site 16 Merced River at River Road. Data collected in 2012.

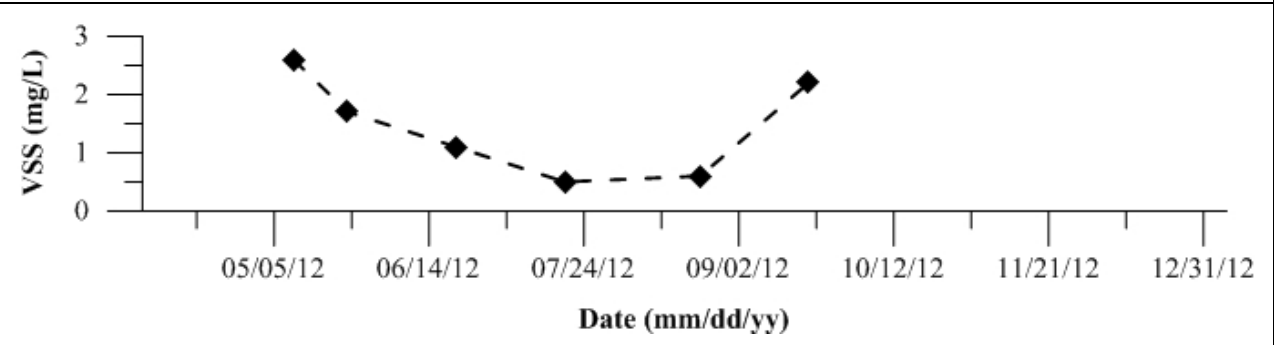


Figure 1447: Volatile Suspended Solids (VSS) for Site 18 Mud Slough near Gustine. Data collected in 2012.

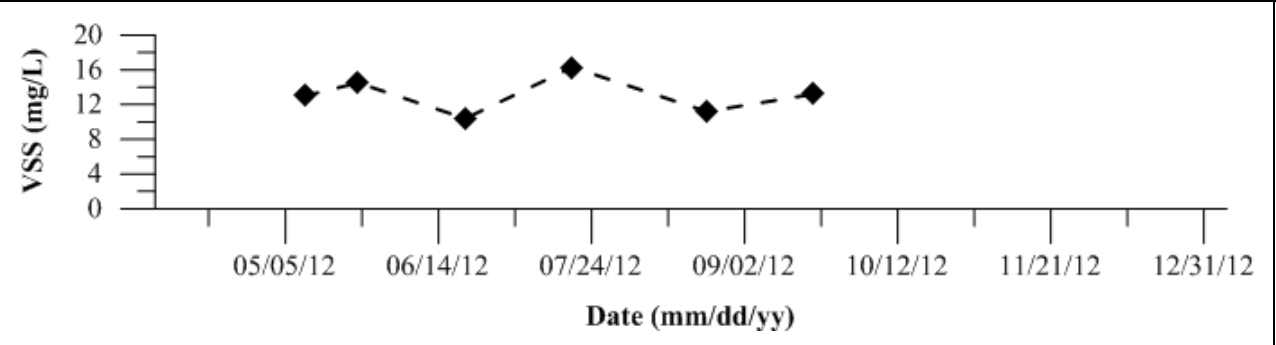


Figure 1448: Volatile Suspended Solids (VSS) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

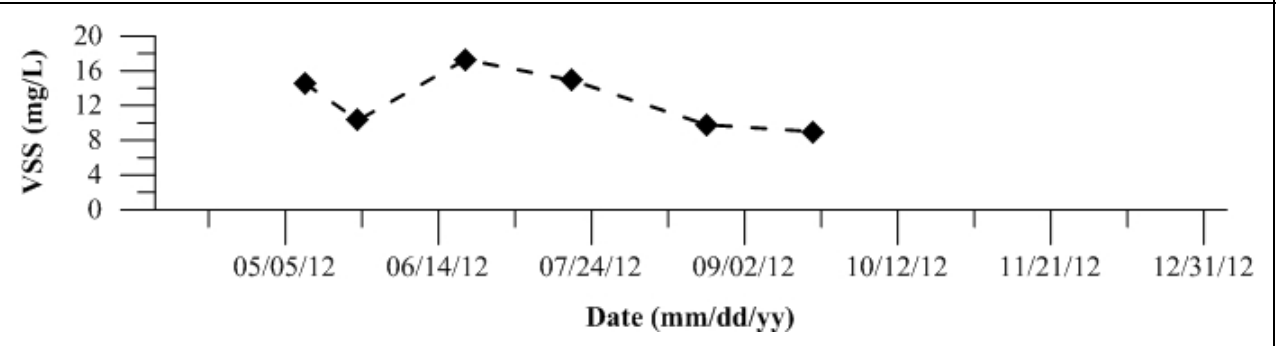


Figure 1449: Volatile Suspended Solids (VSS) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

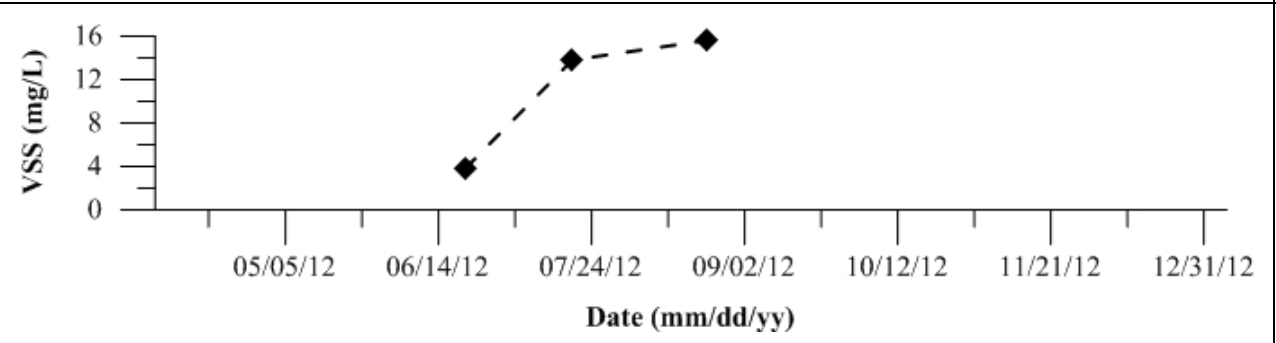


Figure 1450: Volatile Suspended Solids (VSS) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

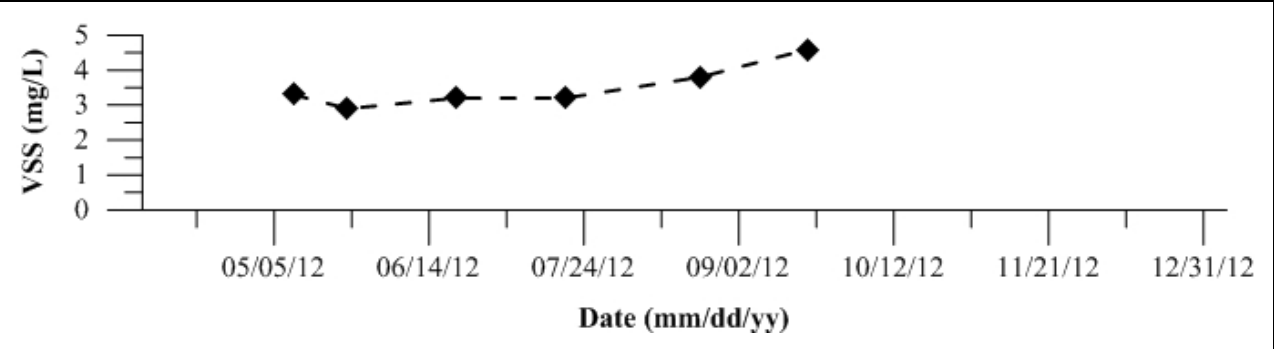


Figure 1451: Volatile Suspended Solids (VSS) for Site 34 Ingram Creek. Data collected in 2012.

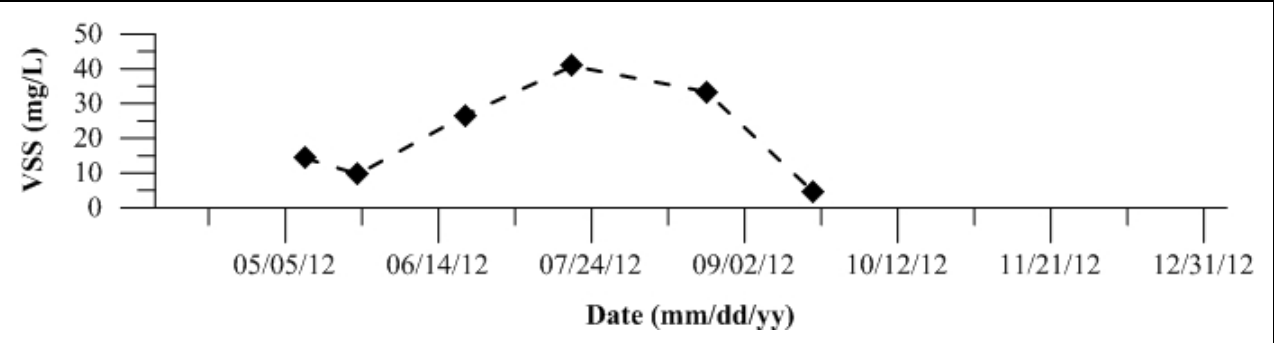


Figure 1452: Volatile Suspended Solids (VSS) for Site 44 San Luis Drain End. Data collected in 2012.

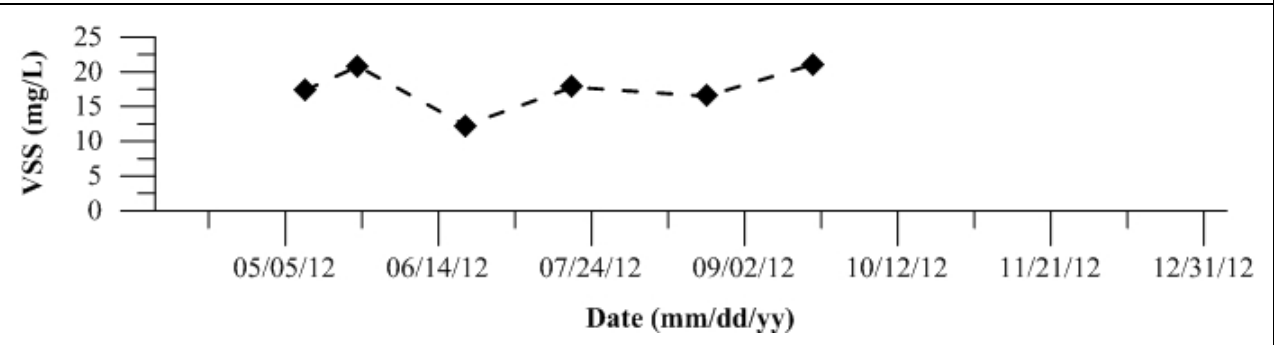


Figure 1453: Volatile Suspended Solids (VSS) for Site 127 SJR at Brant Bridge. Data collected in 2012.

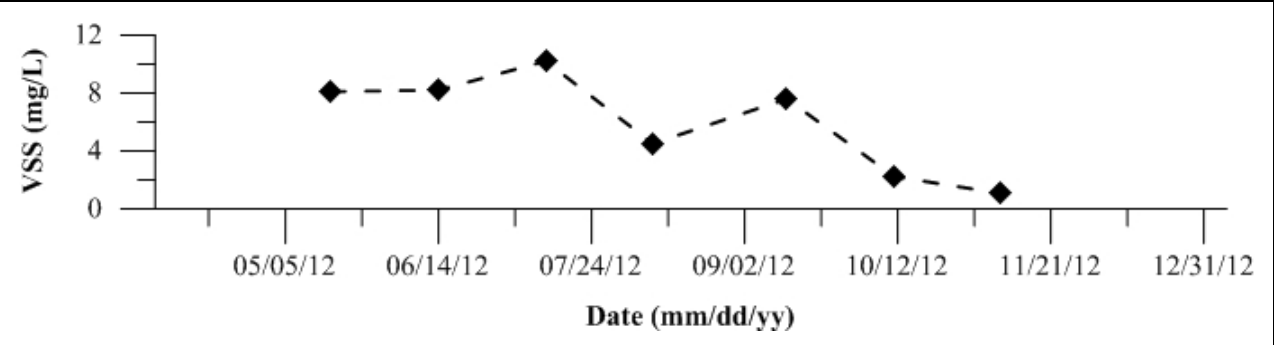


Figure 1454: Volatile Suspended Solids (VSS) for Site 402 Light 18 (Node 96). Data collected in 2012.

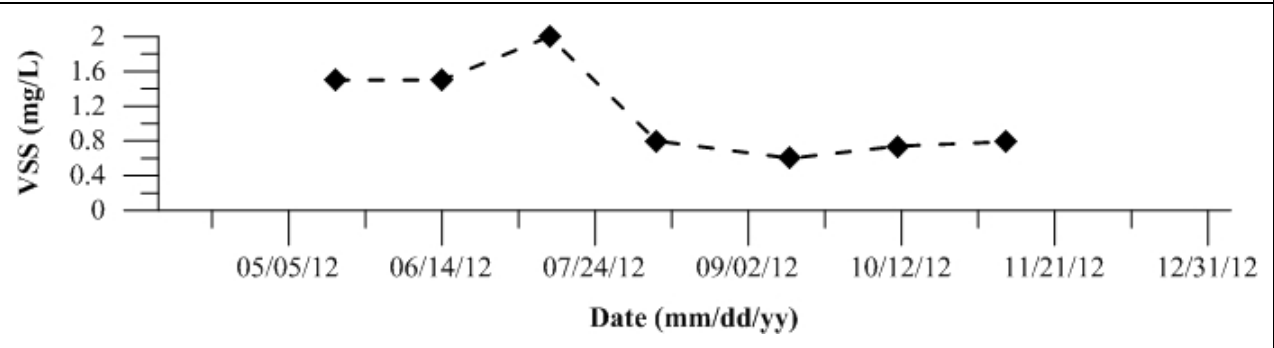


Figure 1455: Volatile Suspended Solids (VSS) for Site 405 Calaveras River. Data collected in 2012.

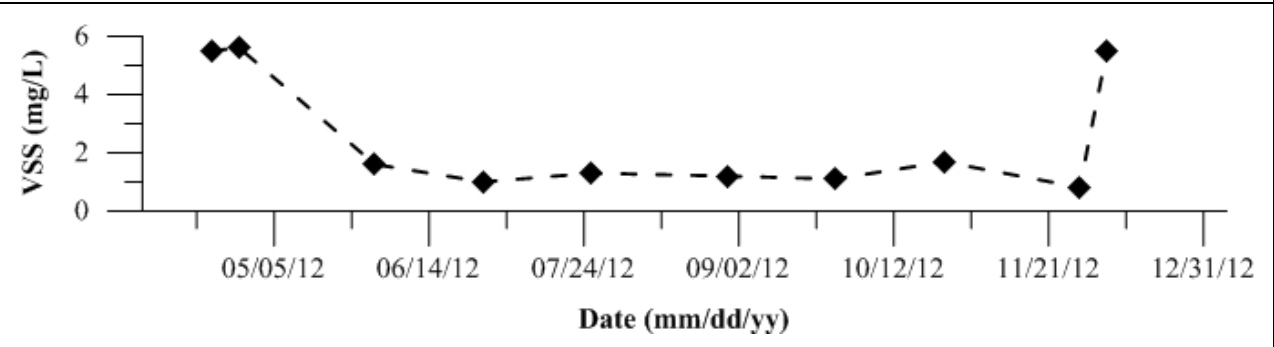


Figure 1456: Volatile Suspended Solids (VSS) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

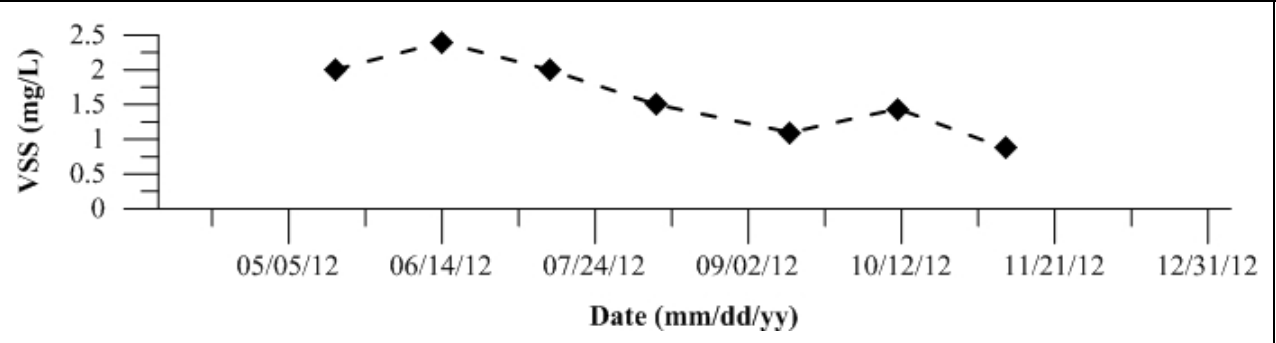


Figure 1457: Volatile Suspended Solids (VSS) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

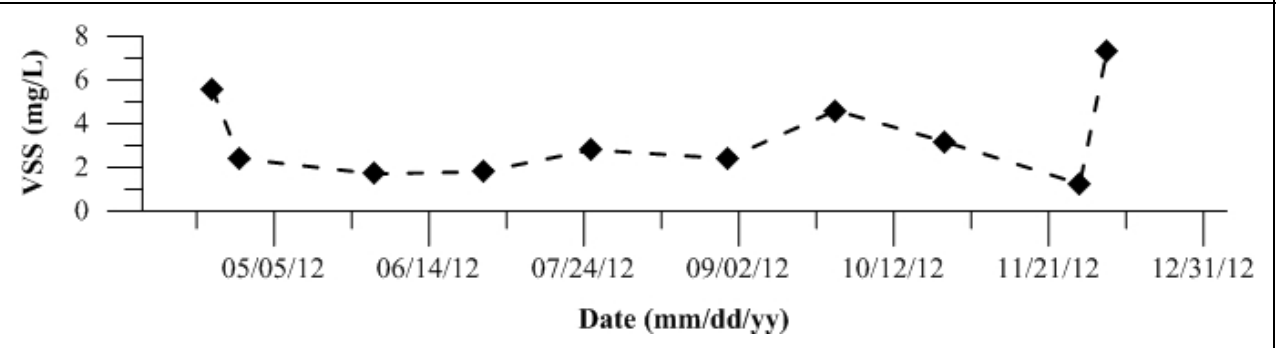


Figure 1458: Volatile Suspended Solids (VSS) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

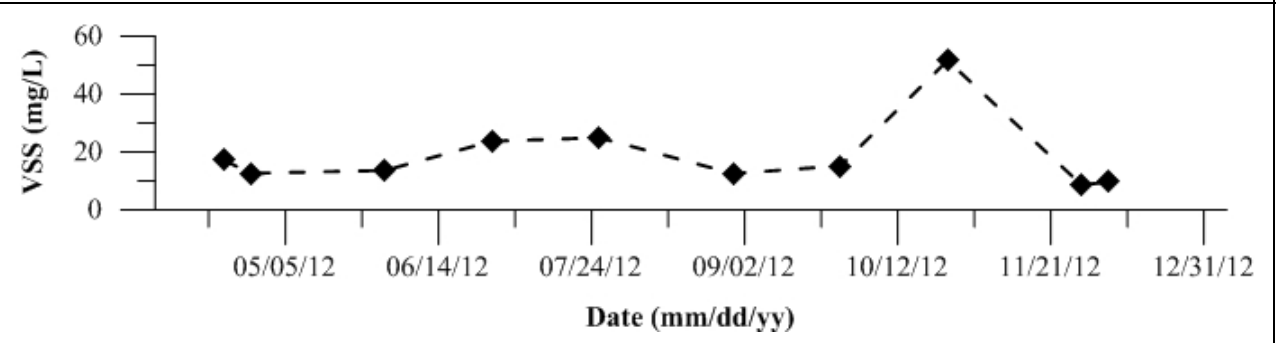


Figure 1459: Volatile Suspended Solids (VSS) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

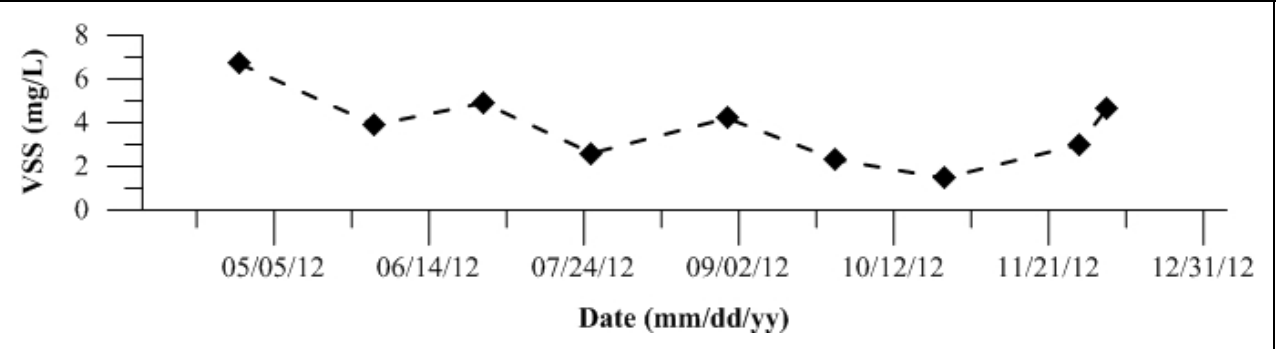


Figure 1460: Volatile Suspended Solids (VSS) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

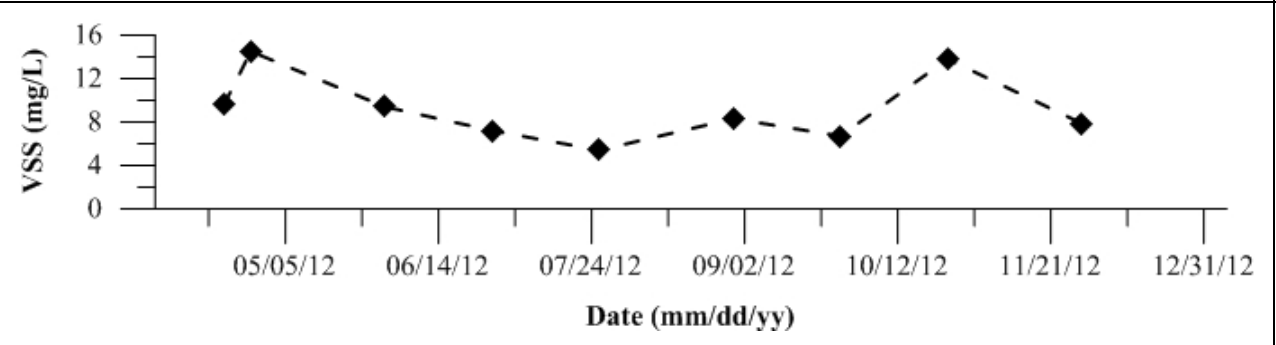


Figure 1461: Volatile Suspended Solids (VSS) for Site 424 14mi Slough. Data collected in 2012.

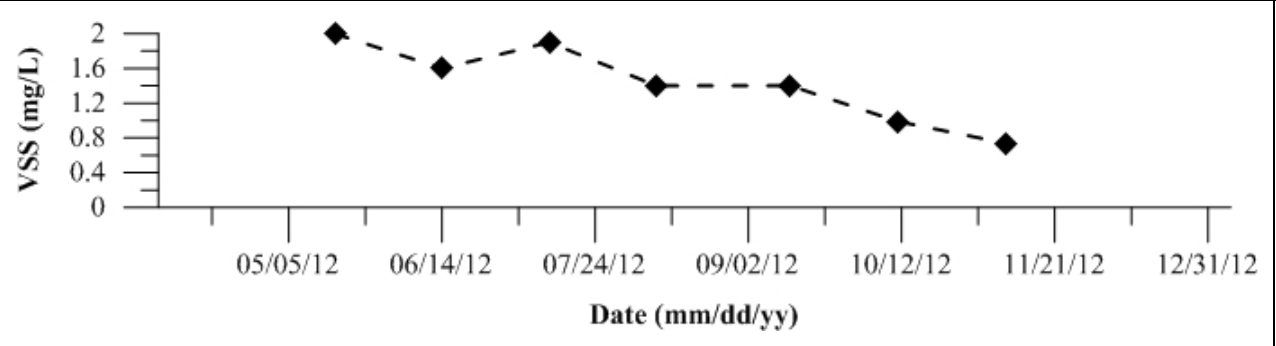


Figure 1462: Volatile Suspended Solids (VSS) for Site 425 Turner Cut. Data collected in 2012.

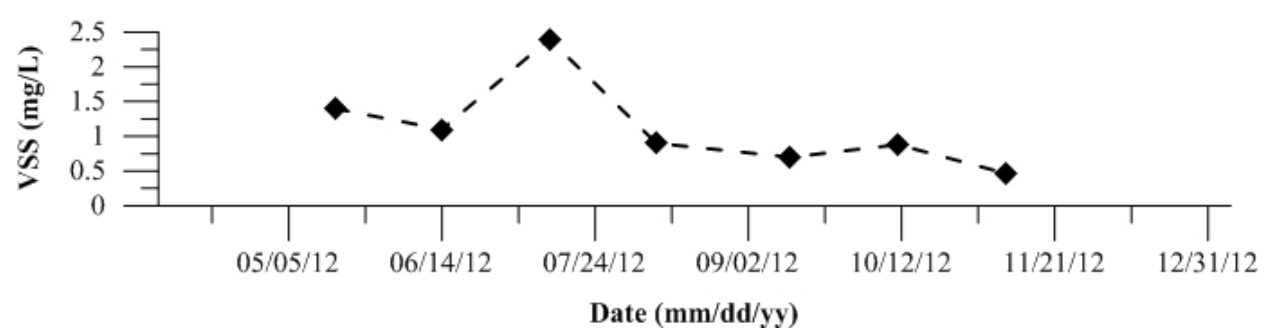


Figure 1463: Volatile Suspended Solids (VSS) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

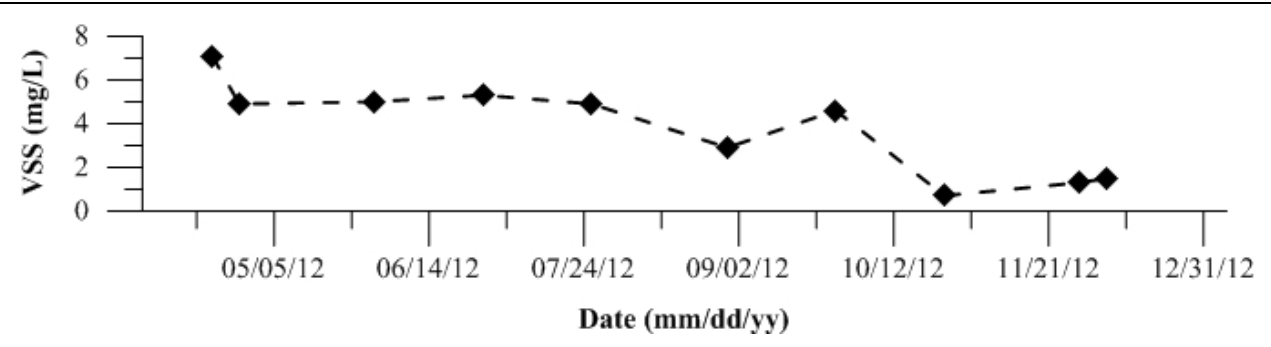


Figure 1464: Volatile Suspended Solids (VSS) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

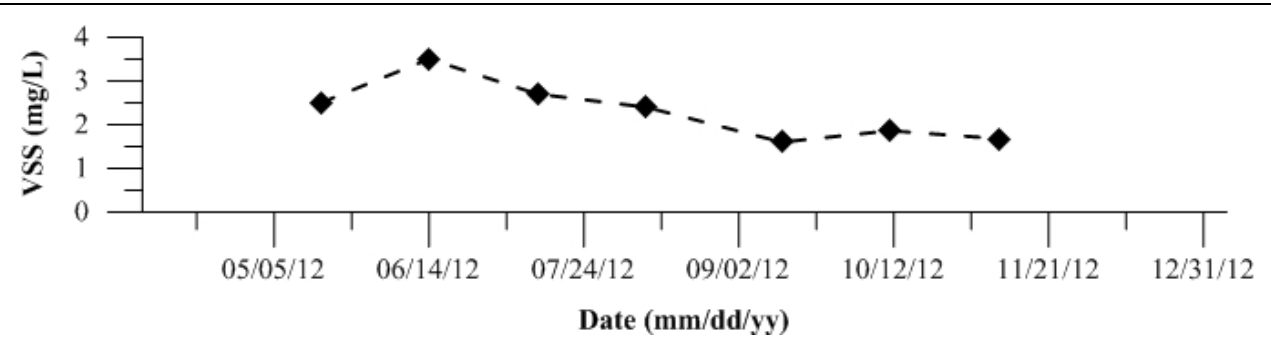


Figure 1465: Volatile Suspended Solids (VSS) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

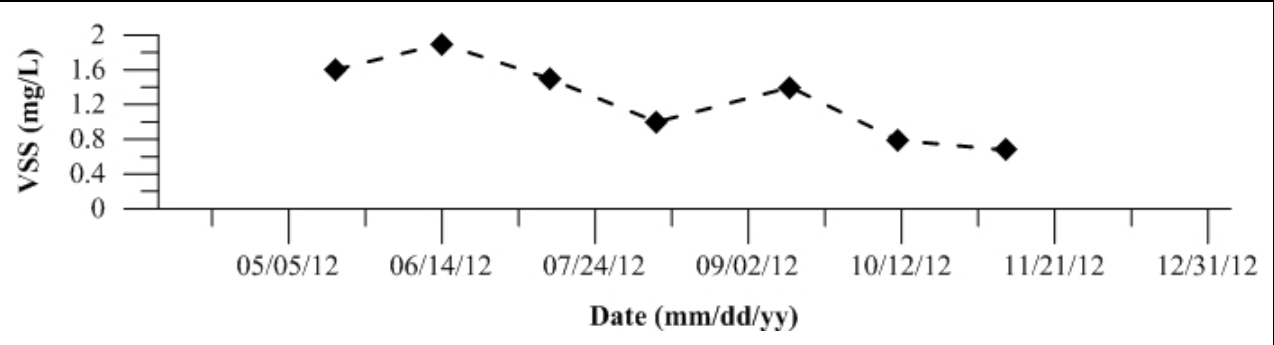
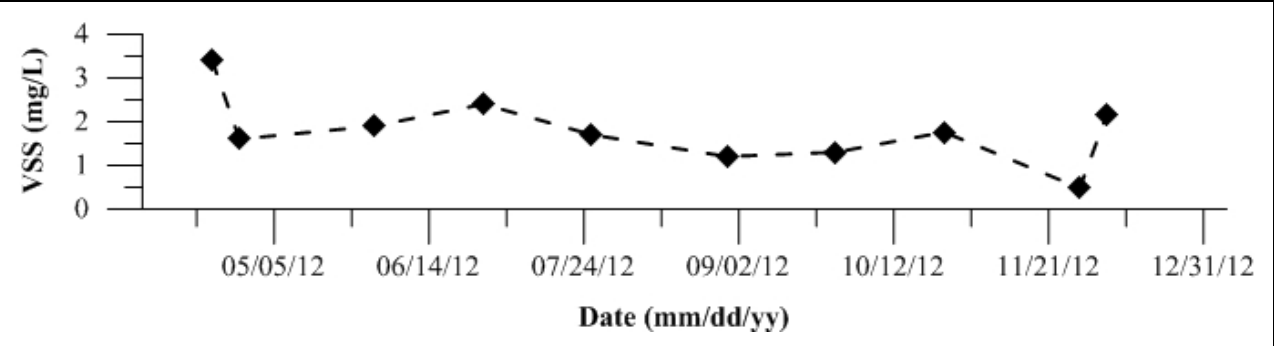


Figure 1466: Volatile Suspended Solids (VSS) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1467-1492: Temporal plots of dissolved nitrate-N by Site ID

Figure 1467: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

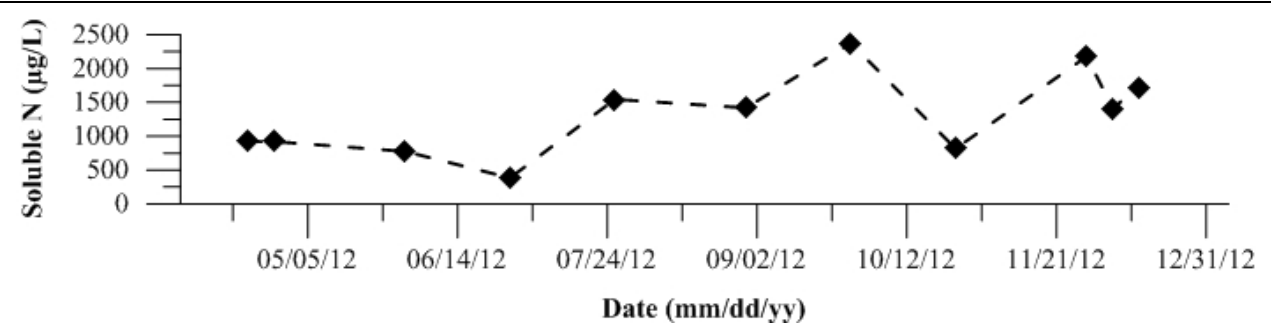


Figure 1468: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 4 SJR at Mossdale. Data collected in 2012.

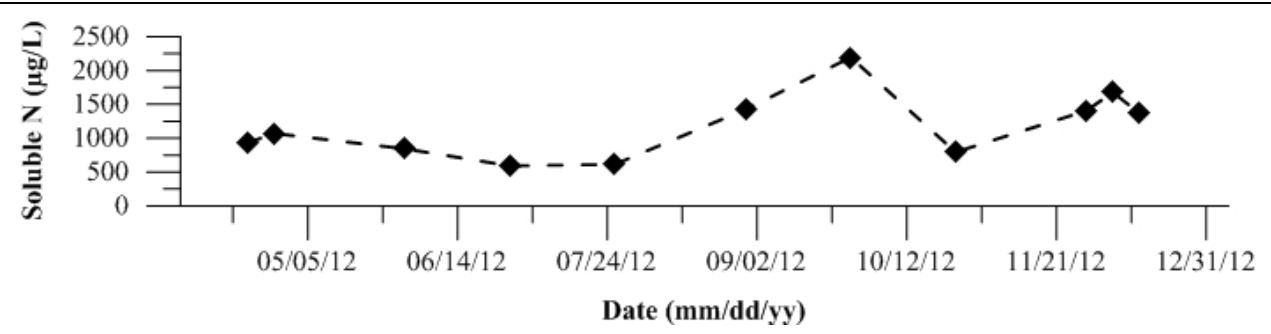


Figure 1469: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 7 SJR at Patterson. Data collected in 2012.

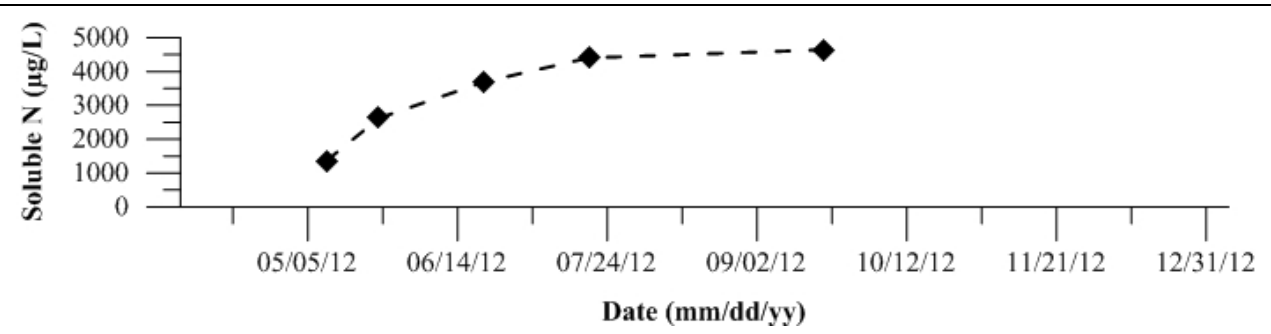


Figure 1470: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 10 SJR at Lander Avenue. Data collected in 2012.

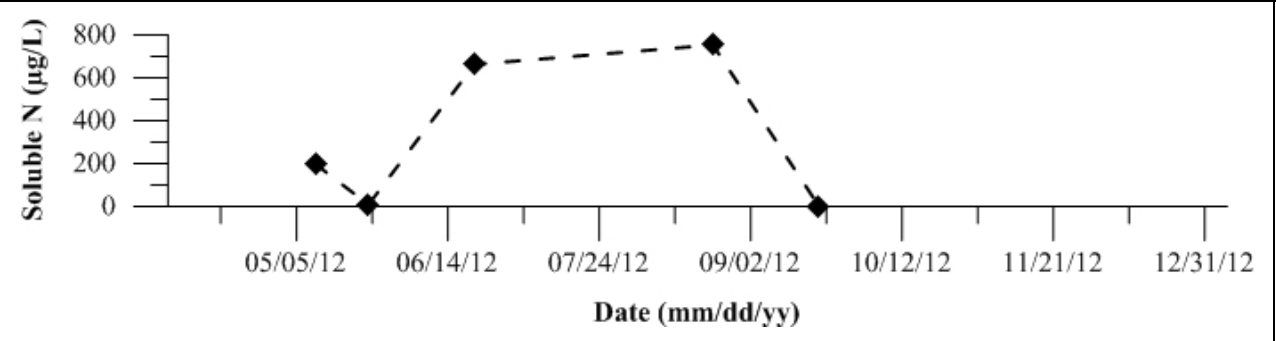


Figure 1471: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 11 French Camp Slough. Data collected in 2012.

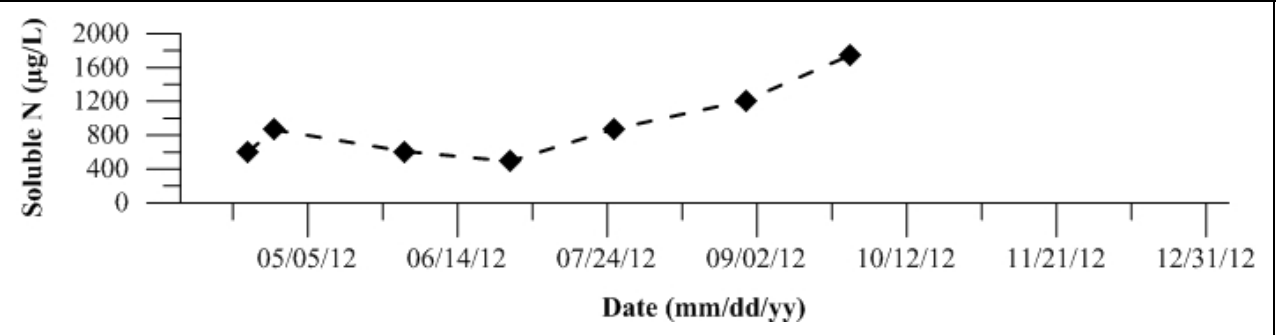


Figure 1472: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 16 Merced River at River Road. Data collected in 2012.

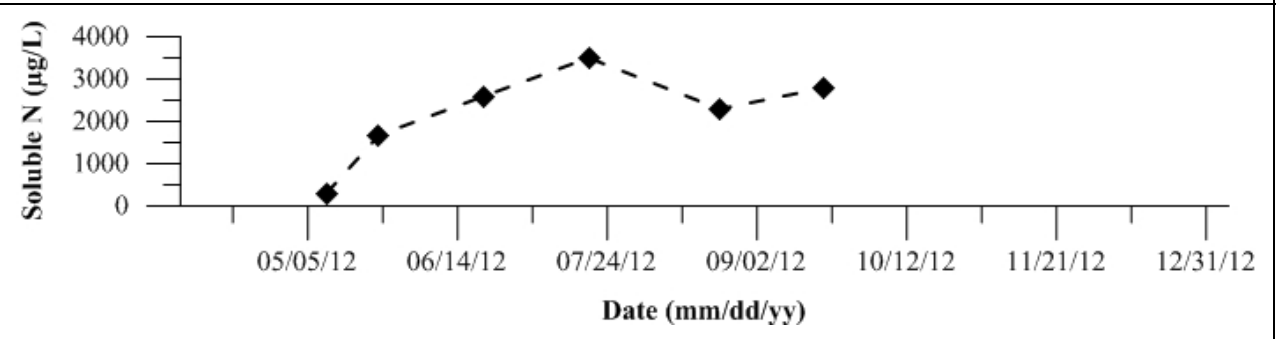


Figure 1473: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 18 Mud Slough near Gustine

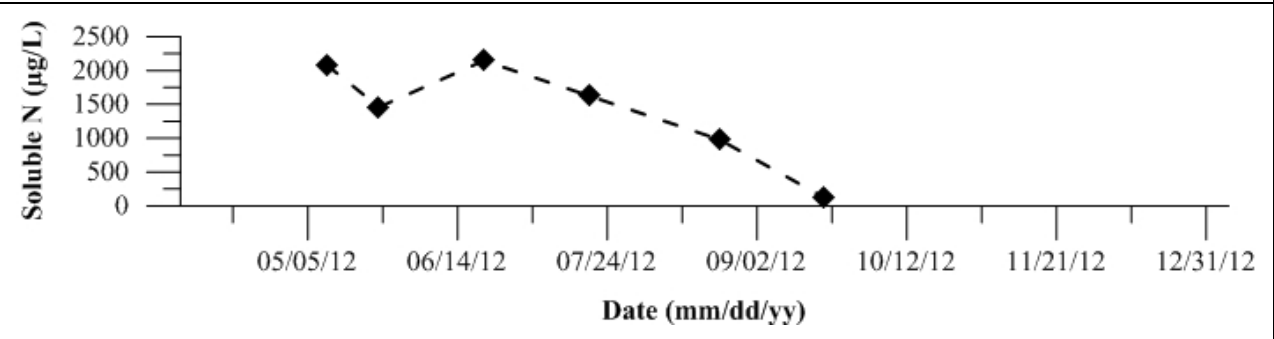


Figure 1474: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

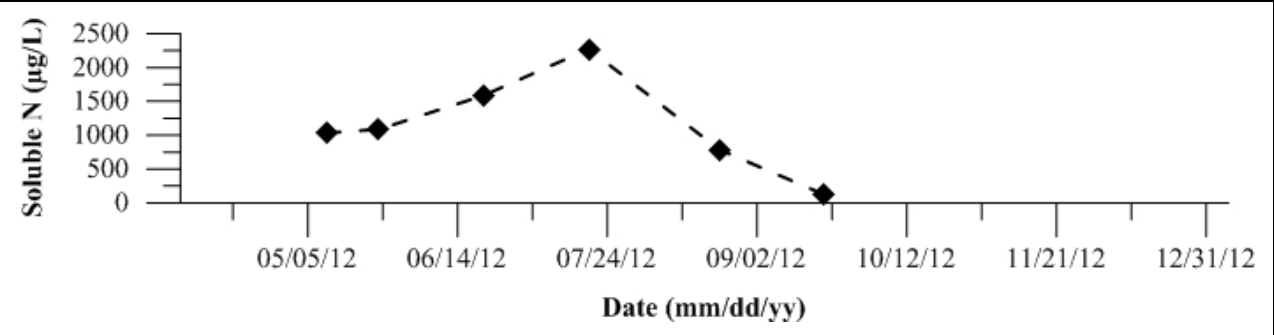


Figure 1475: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

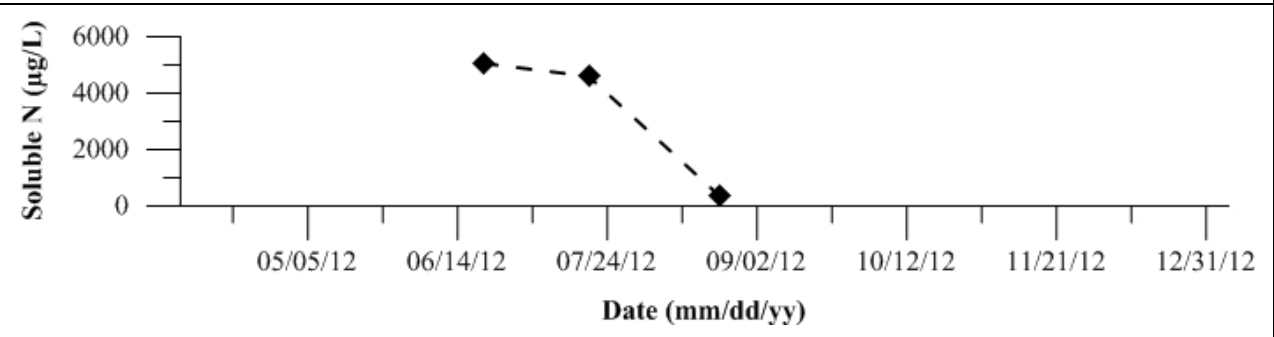


Figure 1476: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

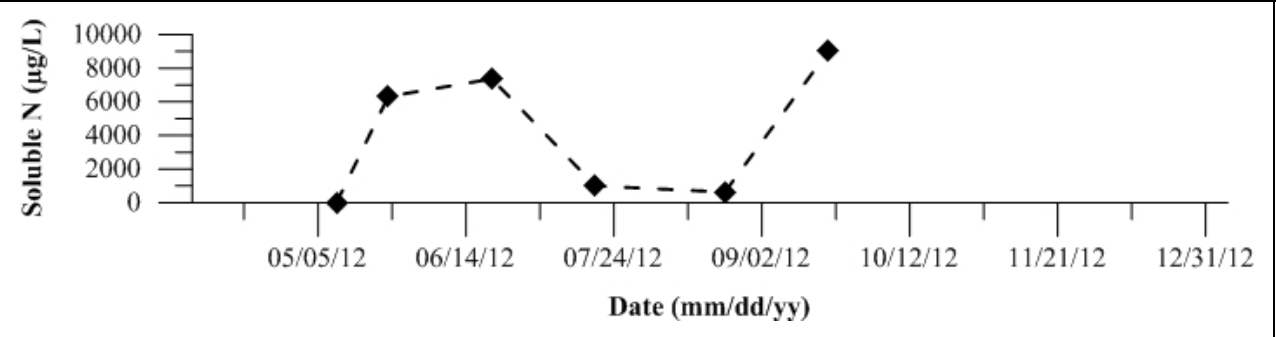


Figure 1477: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 34 Ingram Creek. Data collected in 2012.

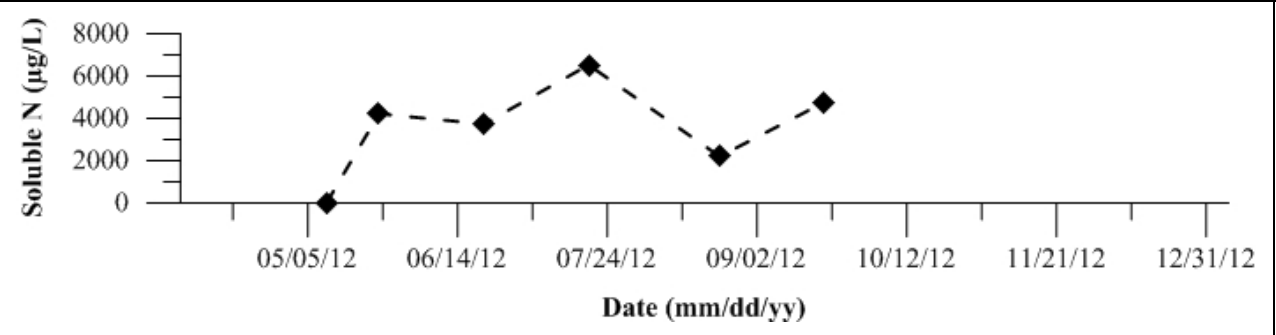


Figure 1478: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 44 San Luis Drain End. Data collected in 2012.

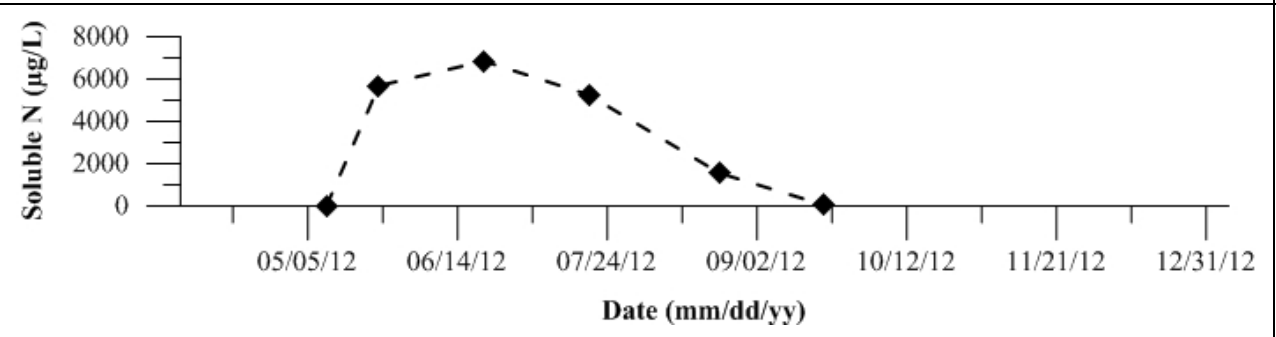


Figure 1479: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 127 SJR at Brant Bridge. Data collected in 2012.

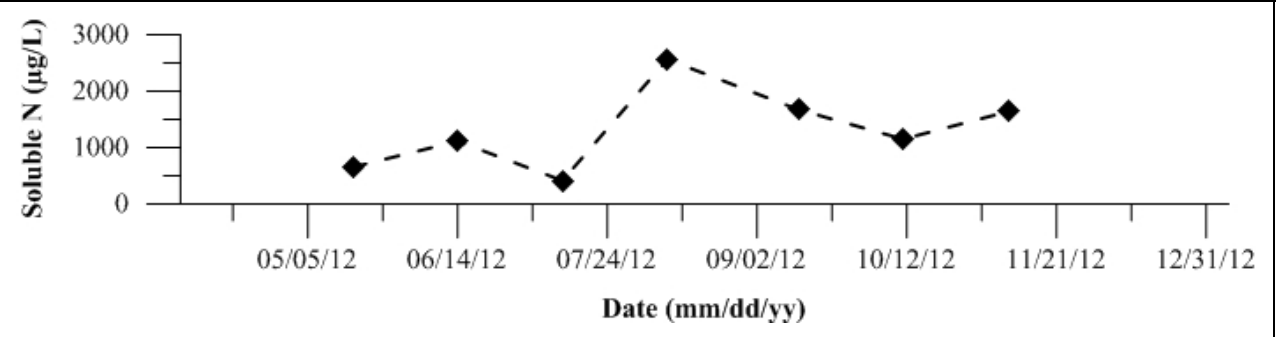


Figure 1480: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 402 Light 18 (Node 96). Data collected in 2012.

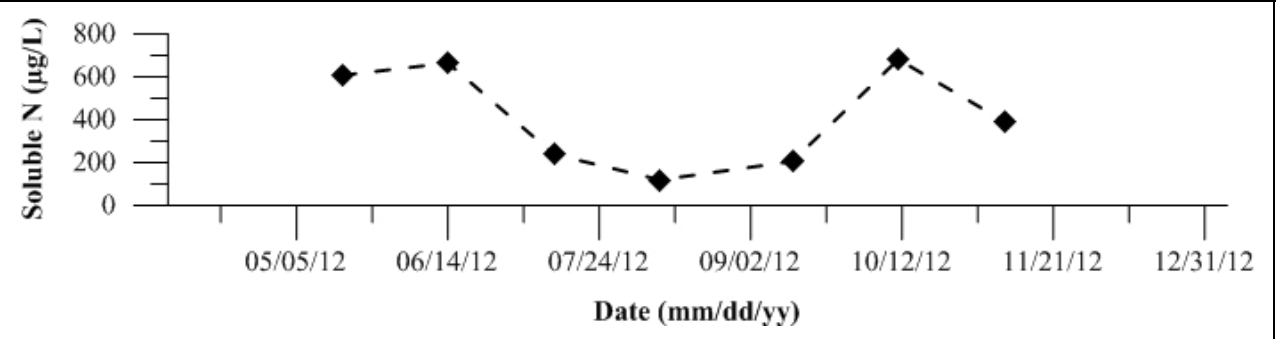


Figure 1481: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 405 Calaveras River. Data collected in 2012.

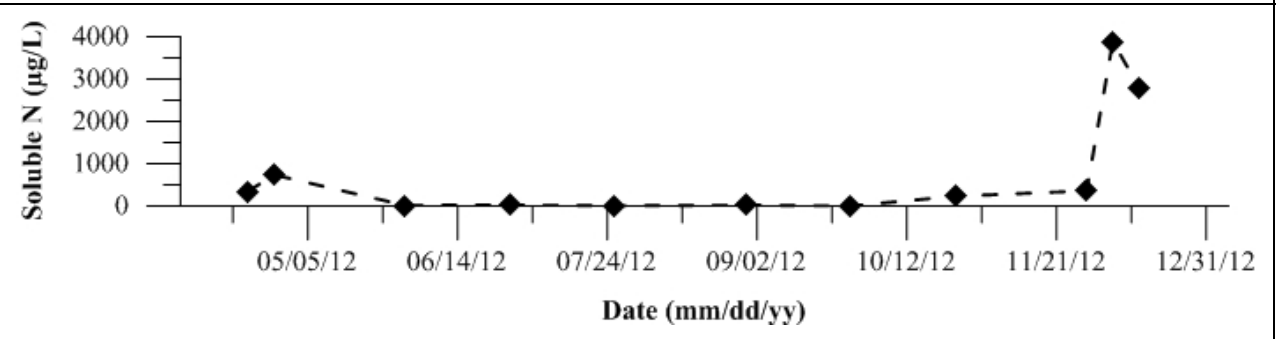


Figure 1482: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

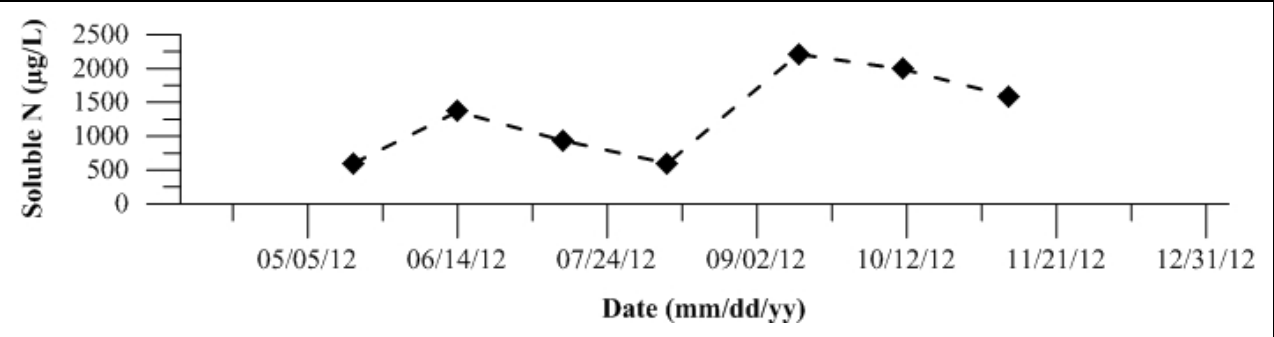


Figure 1483: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

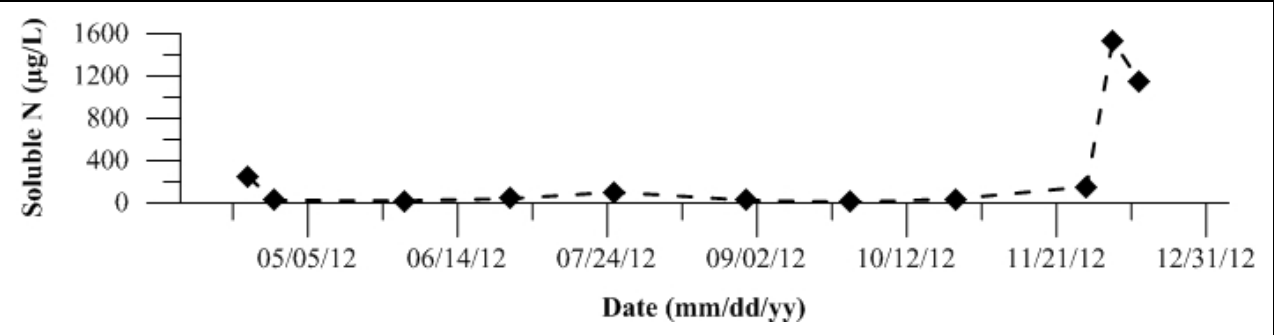


Figure 1484: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

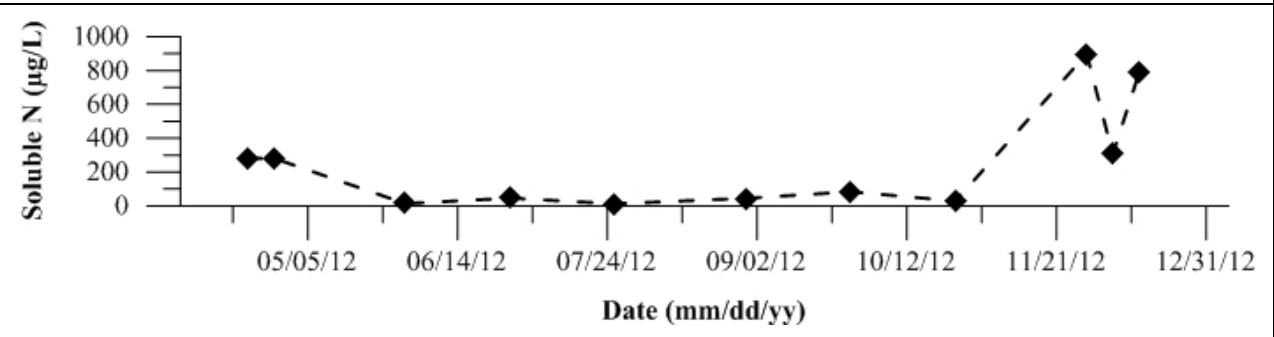


Figure 1485: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

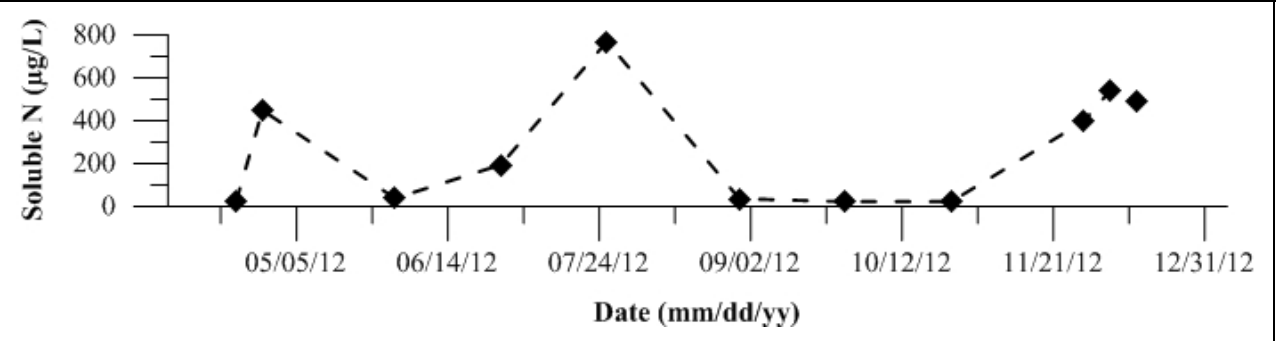


Figure 1486: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

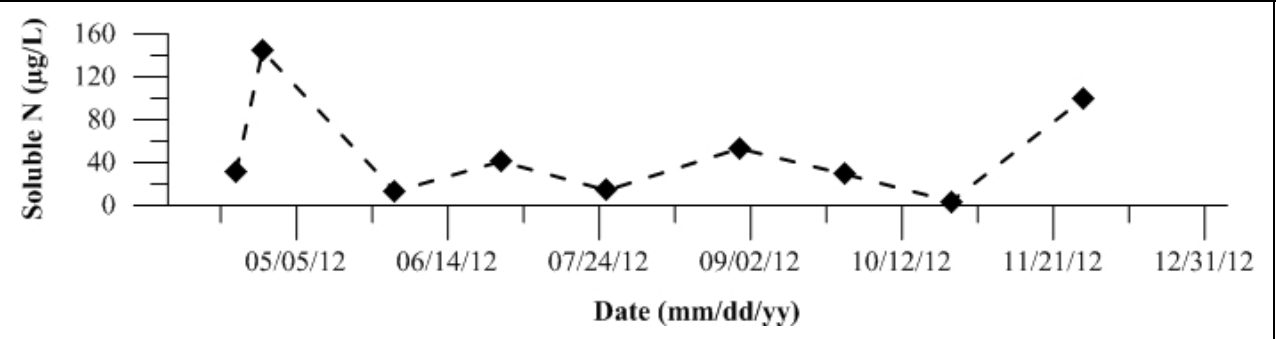


Figure 1487: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 424 14mi Slough. Data collected in 2012.

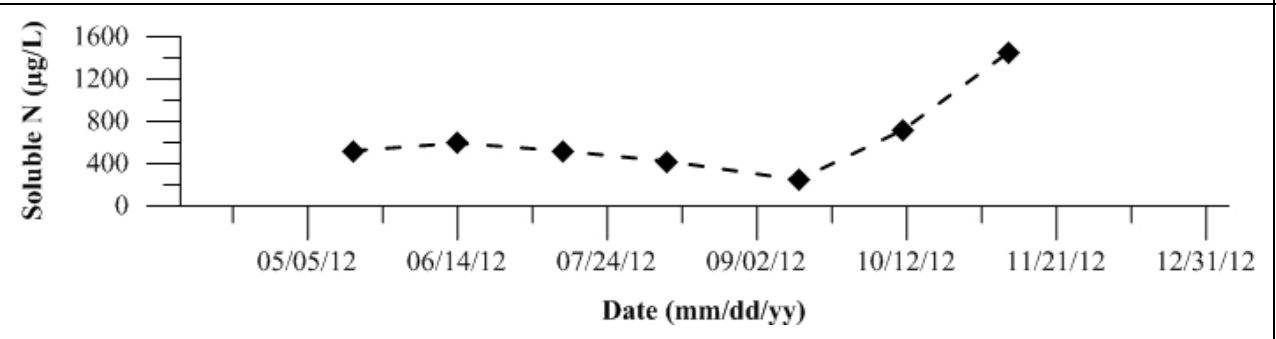


Figure 1488: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 425 Turner Cut. Data collected in 2012.

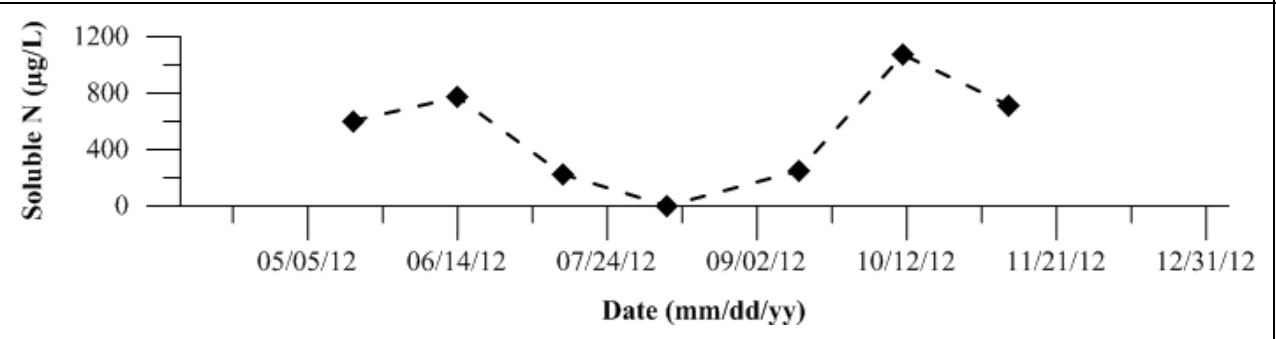


Figure 1489: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

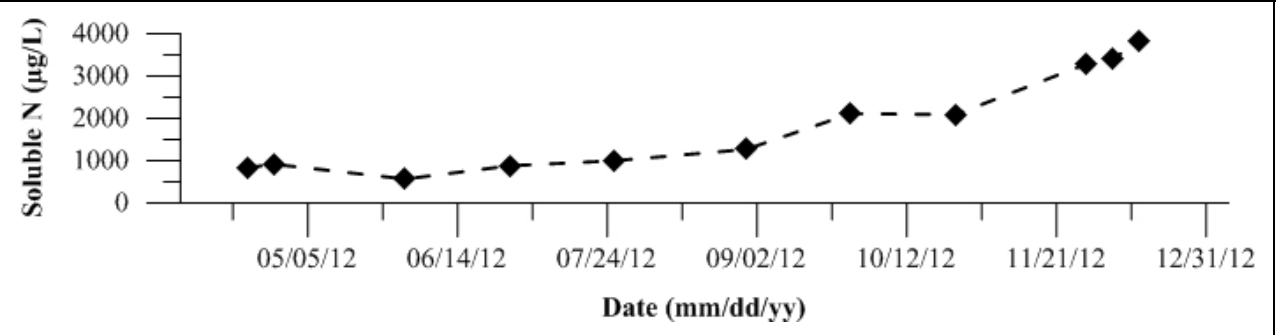


Figure 1490: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

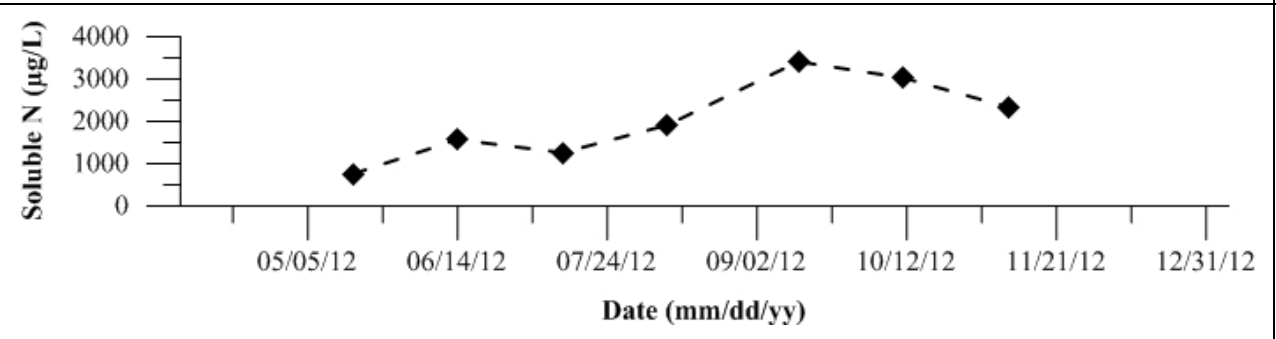


Figure 1491: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

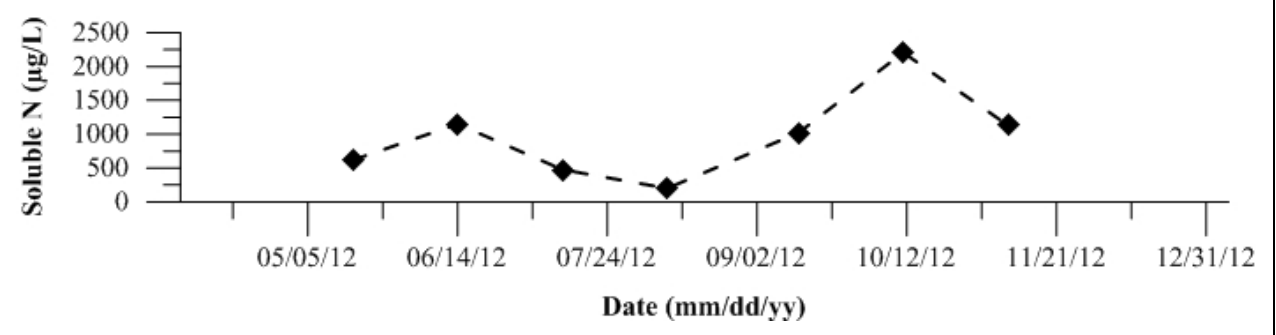
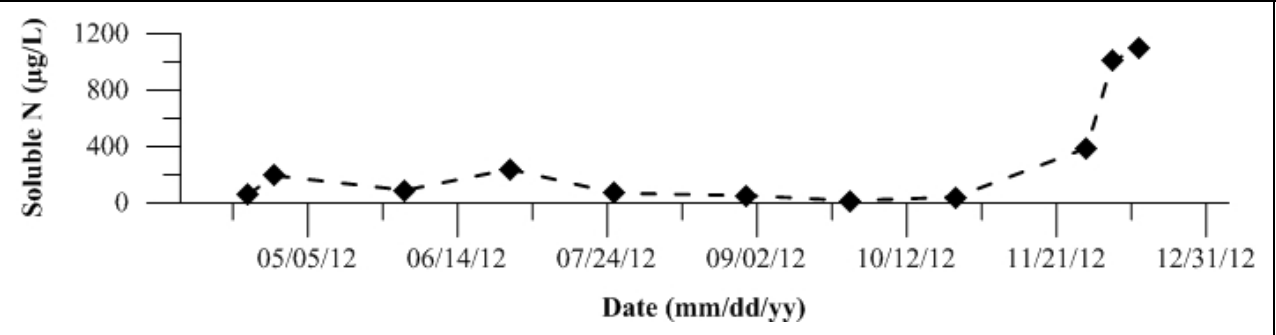


Figure 1492: Soluble nitrate (NO_3^-) and nitrite (NO_2^-) (Soluble N) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1493-1518: Temporal plots of ammonia-N by Site ID

Figure 1493: Total ammonia for Site 2 SJR at Dos Reis Park. Data collected in 2012.

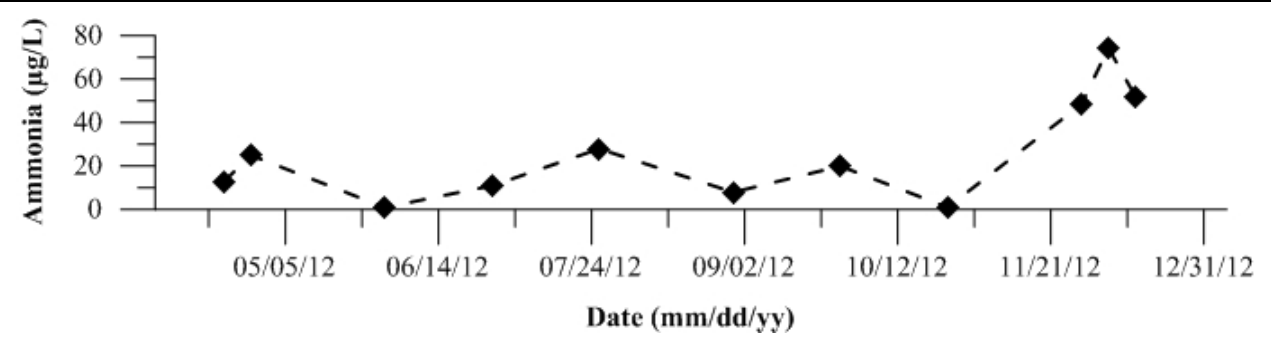


Figure 1494: Total ammonia for Site 4 SJR at Mossdale. Data collected in 2012.

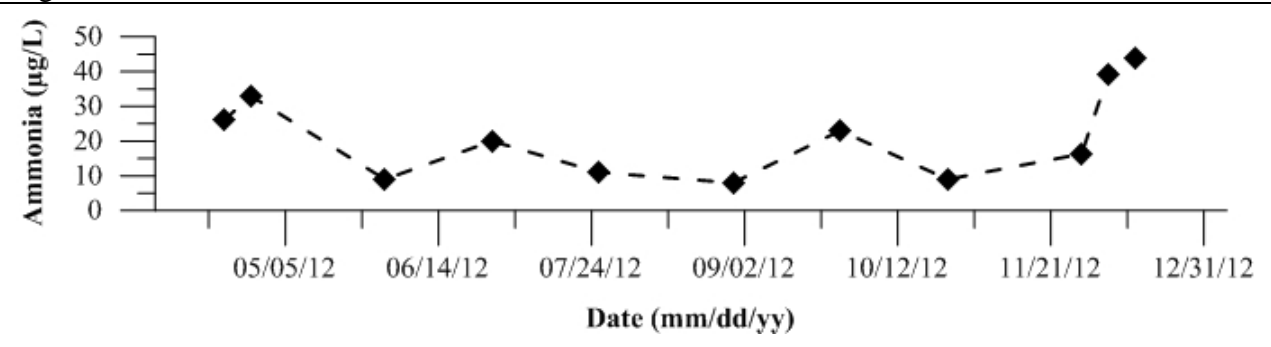


Figure 1495: Total ammonia for Site 7 SJR at Patterson. Data collected in 2012.

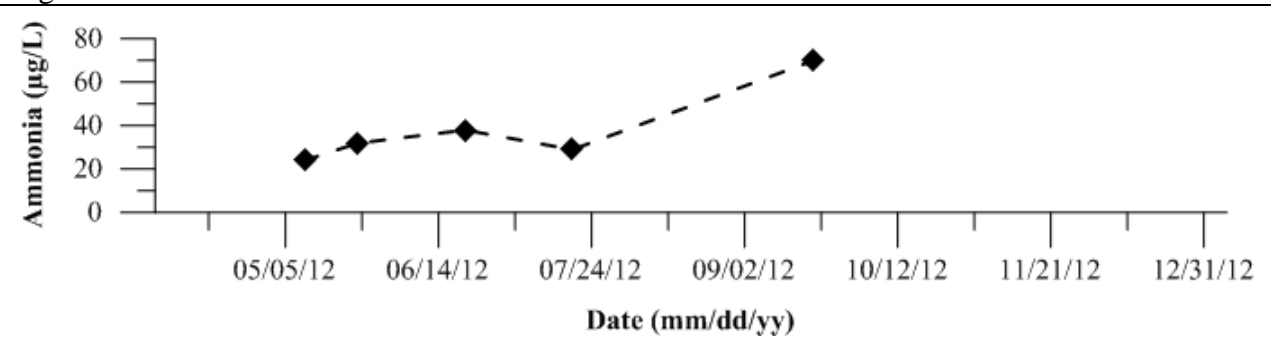


Figure 1496: Total ammonia for Site 10 SJR at Lander Avenue. Data collected in 2012.

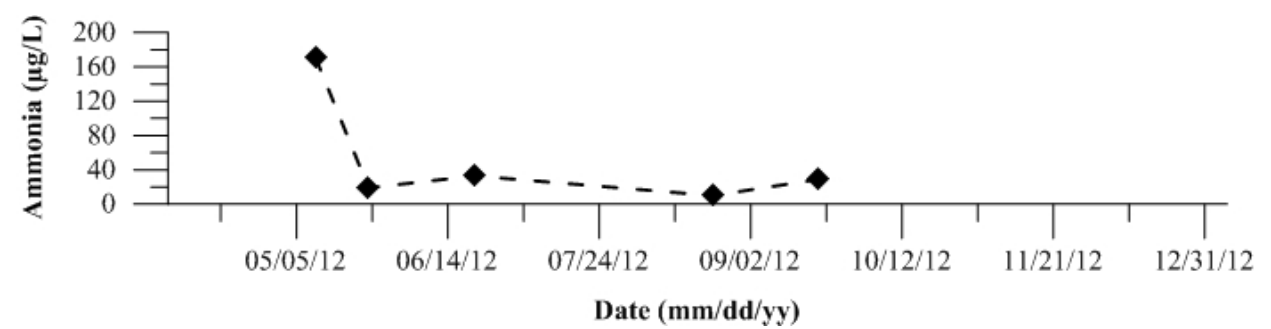


Figure 1497: Total ammonia for Site 11 French Camp Slough. Data collected in 2012.

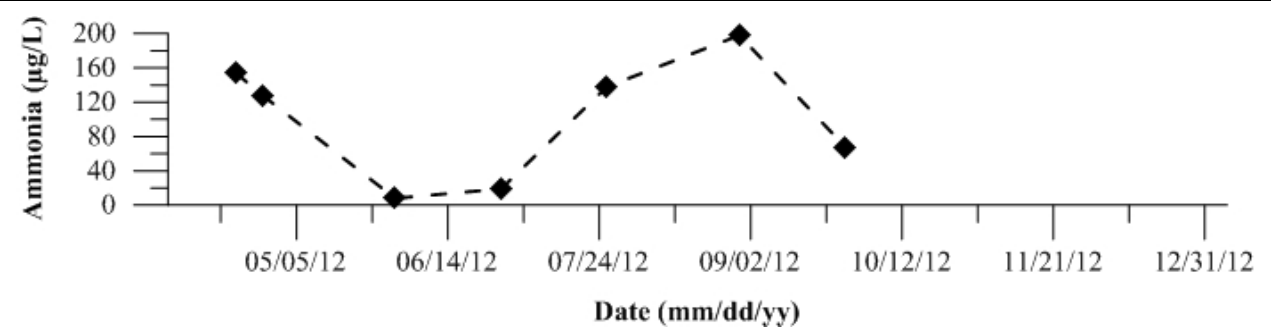


Figure 1498: Total ammonia for Site 16 Merced River at River Road. Data collected in 2012.

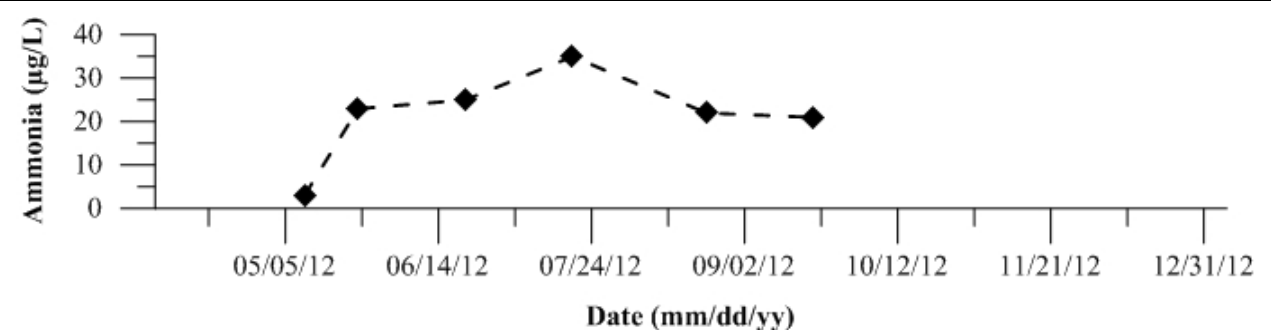


Figure 1499: Total ammonia for Site 18 Mud Slough near Gustine. Data collected in 2012.

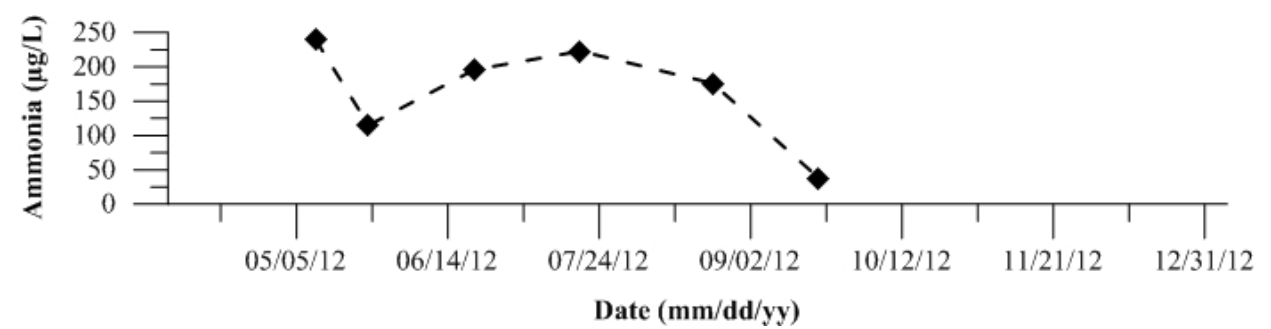


Figure 1500: Total ammonia for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

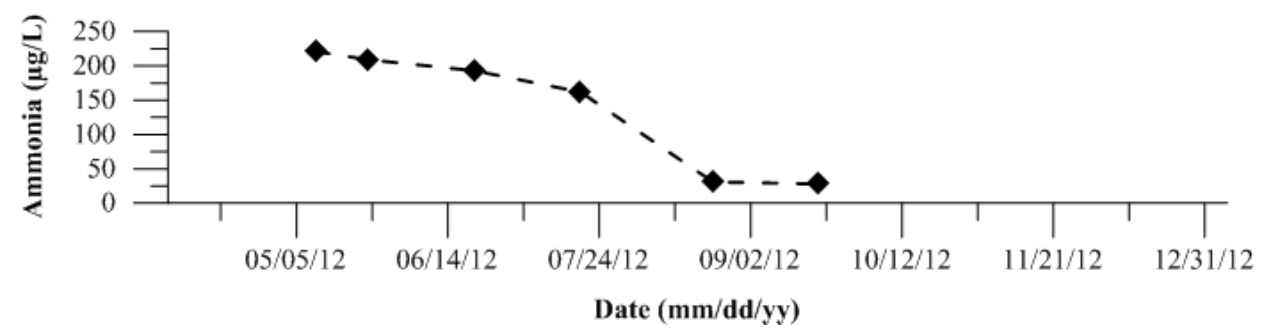


Figure 1501: Total ammonia for Site 21 Orestimba Creek at River Road. Data collected in 2012.

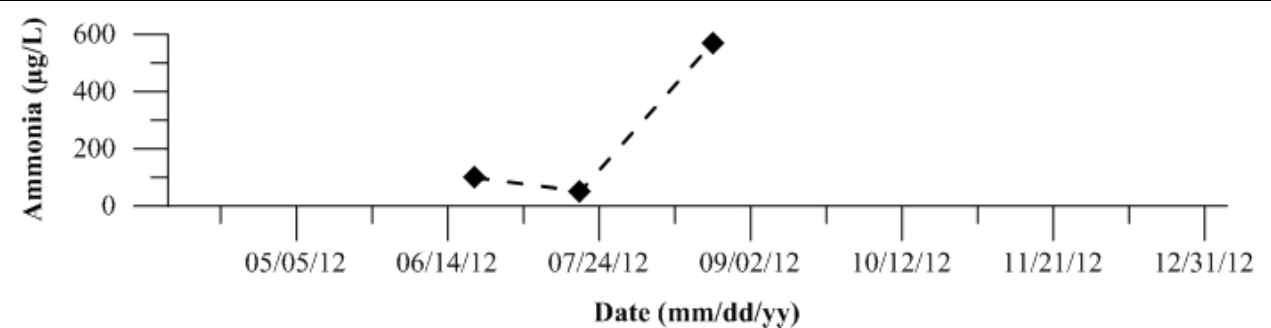


Figure 1502: Total ammonia for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

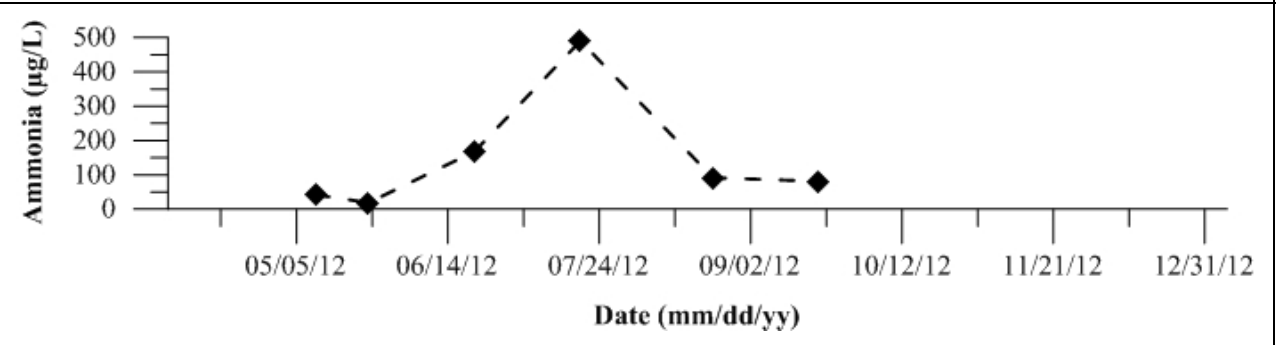


Figure 1503: Total ammonia for Site 34 Ingram Creek. Data collected in 2012.

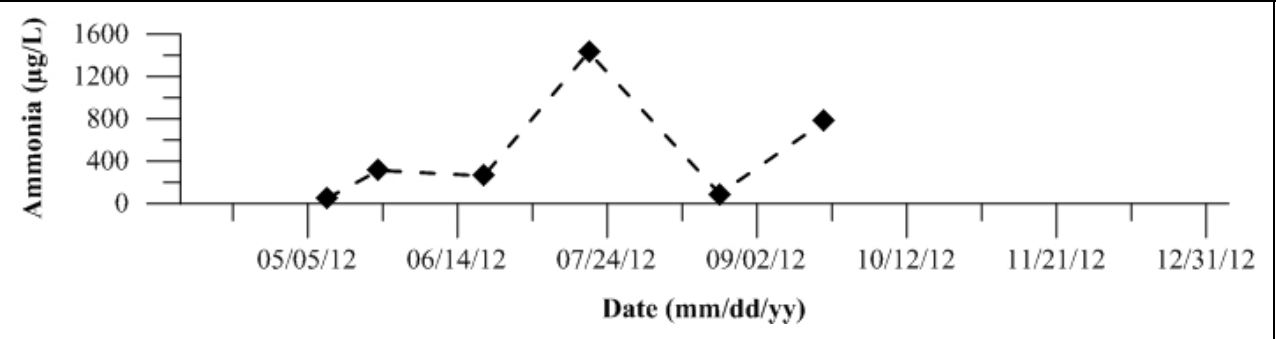


Figure 1504: Total ammonia for Site 44 San Luis Drain End. Data collected in 2012.

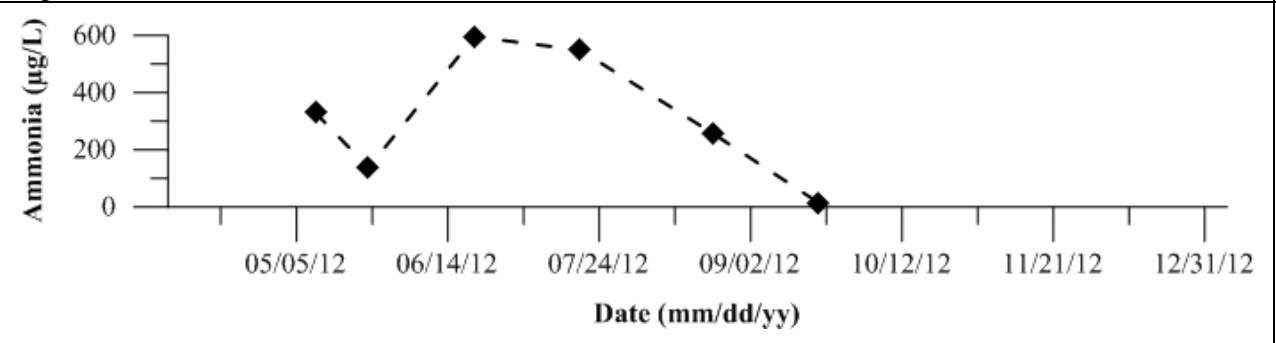


Figure 1505: Total ammonia for Site 127 SJR at Brant Bridge. Data collected in 2012.

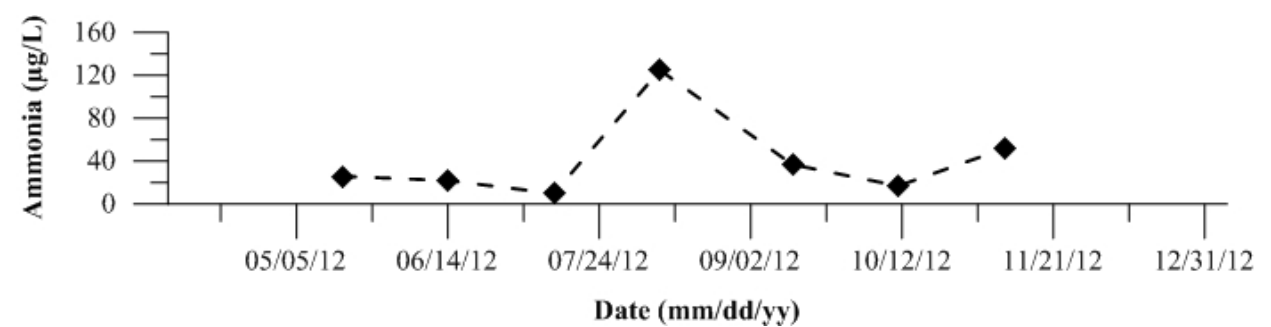


Figure 1506: Total ammonia for Site 402 Light 18 (Node 96). Data collected in 2012.

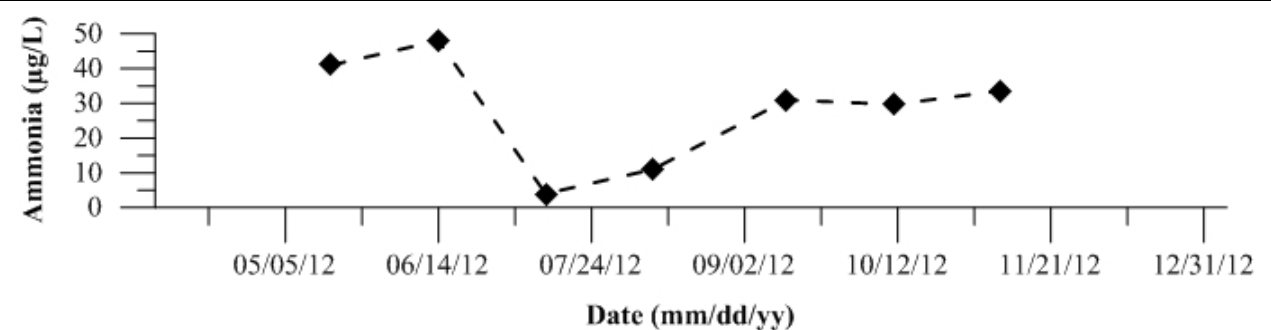


Figure 1507: Total ammonia for Site 405 Calaveras River. Data collected in 2012.

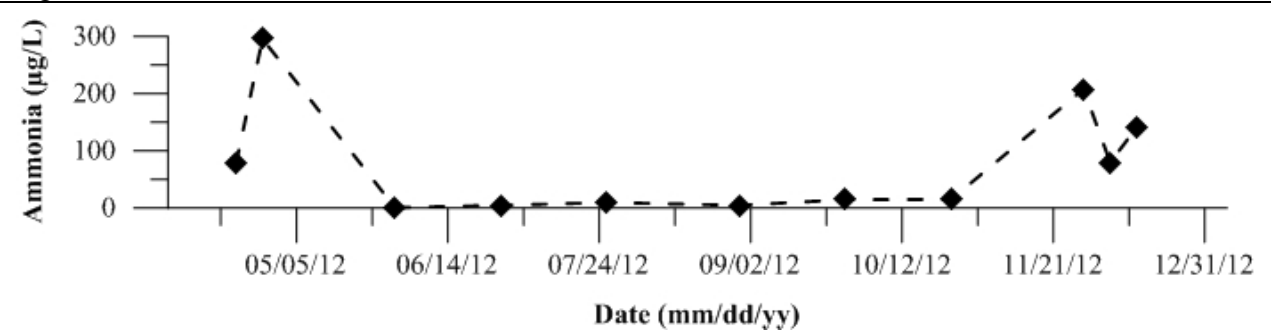


Figure 1508: Total ammonia for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

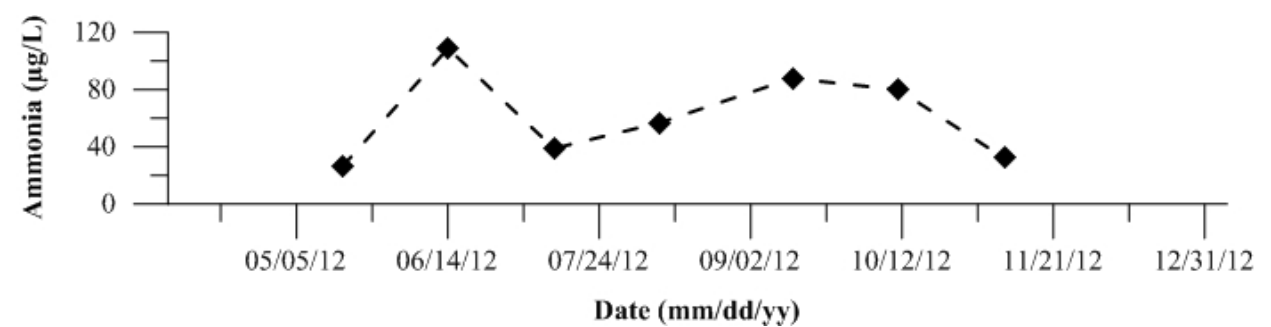


Figure 1509: Total ammonia for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

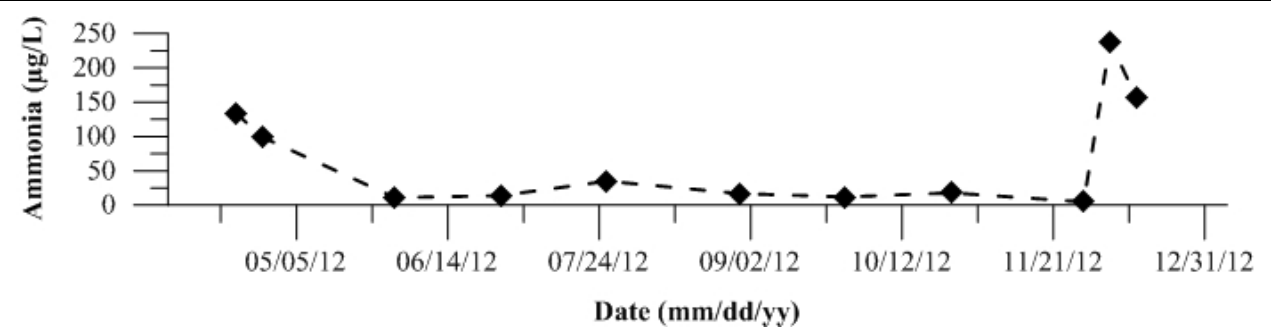


Figure 1510: Total ammonia for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

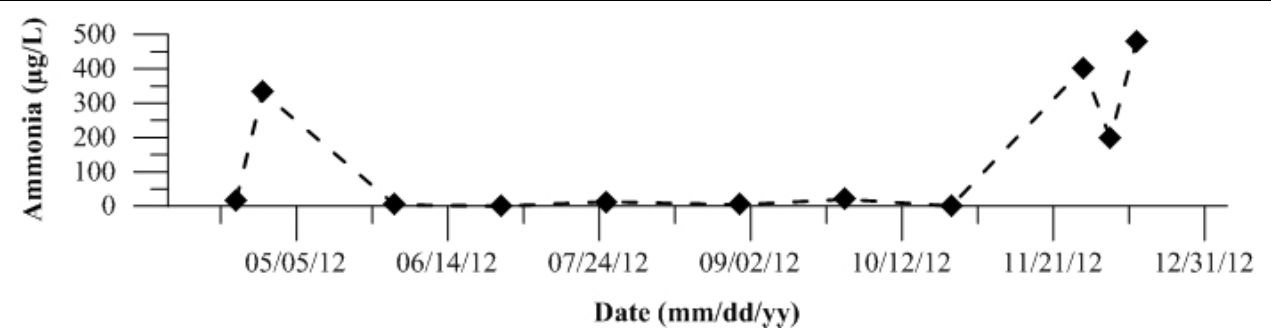


Figure 1511: Total ammonia for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

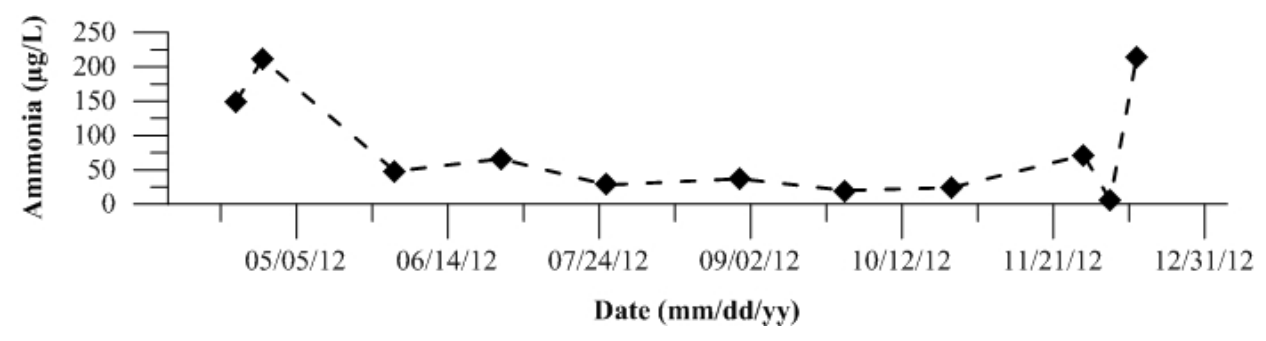


Figure 1512: Total ammonia for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

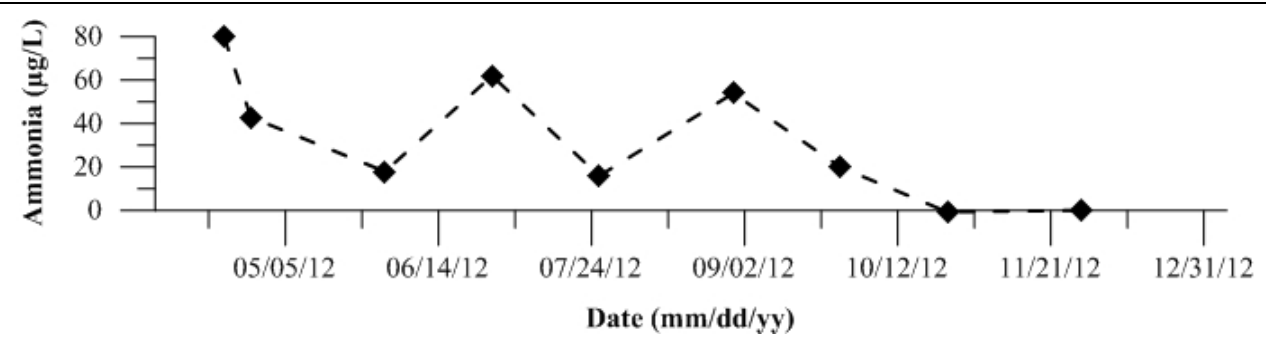


Figure 1513: Total ammonia for Site 424 14mi Slough. Data collected in 2012.

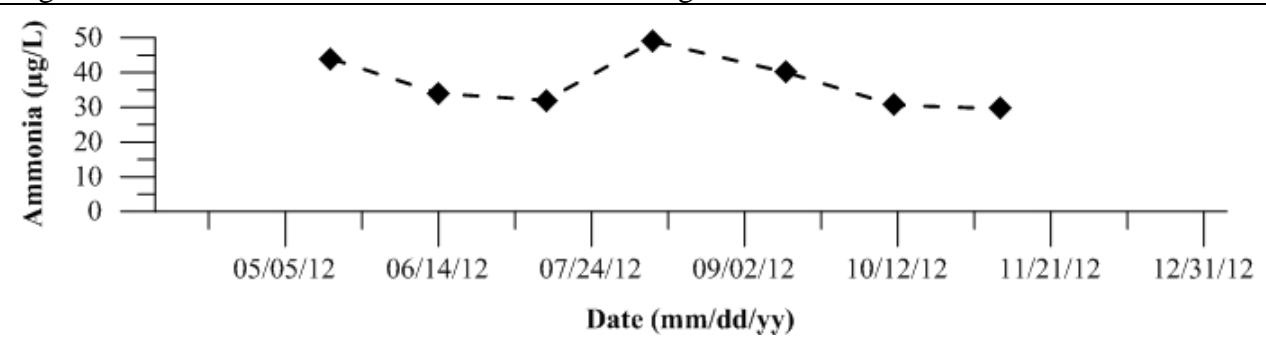


Figure 1514: Total ammonia for Site 425 Turner Cut. Data collected in 2012.

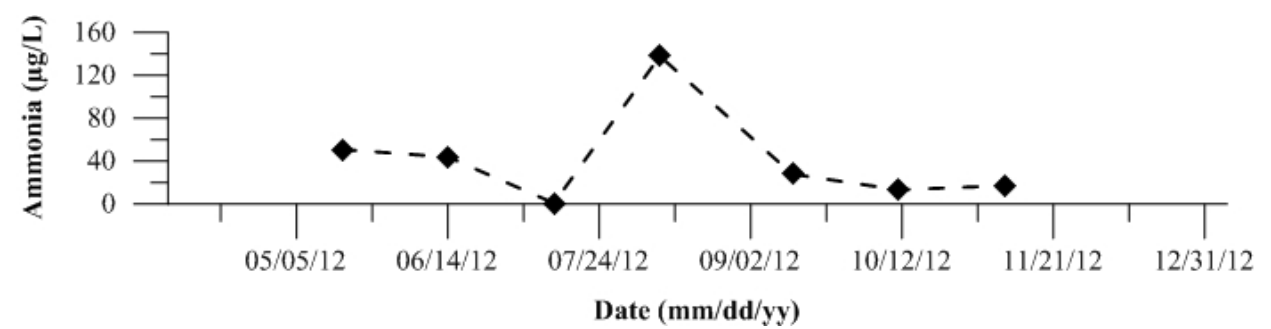


Figure 1515: Total ammonia for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

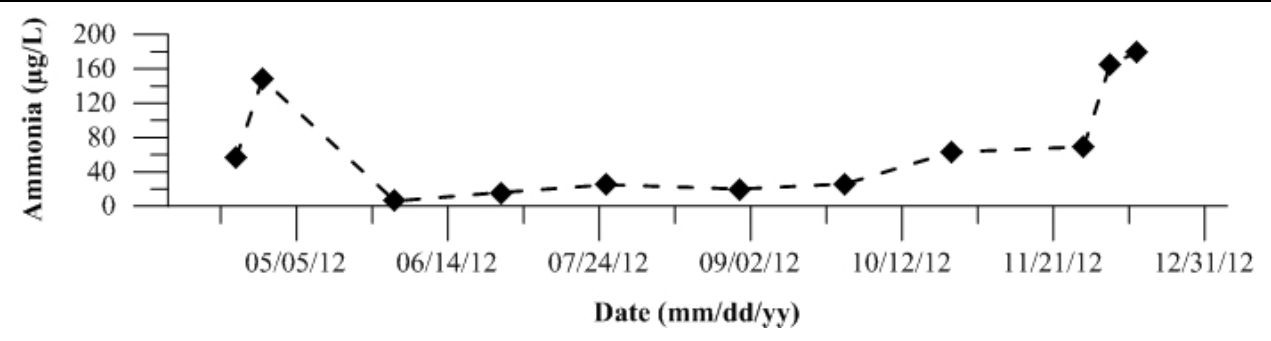


Figure 1516: Total ammonia for Site 427 RM 39 Near Louis Park. Data collected in 2012.

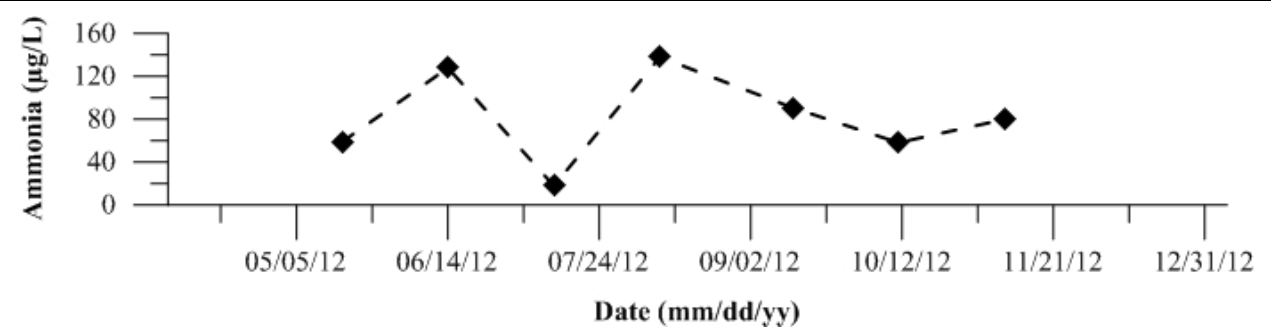


Figure 1517: Total ammonia for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

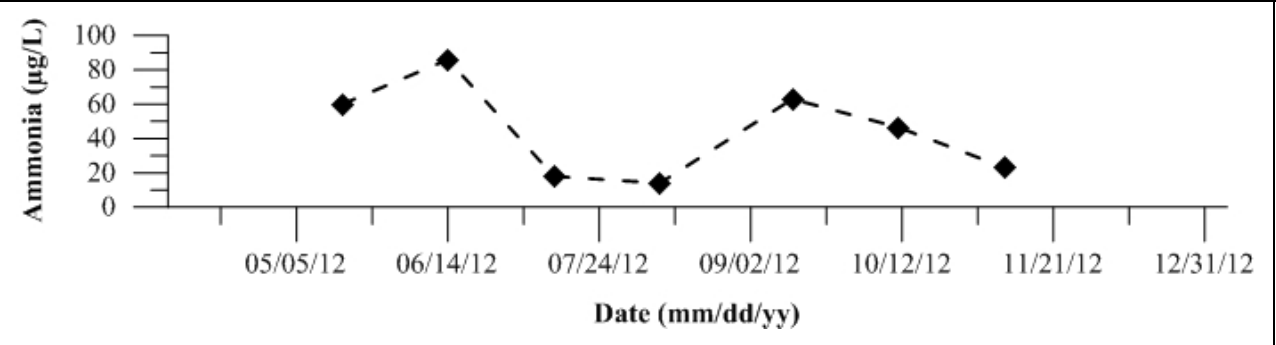
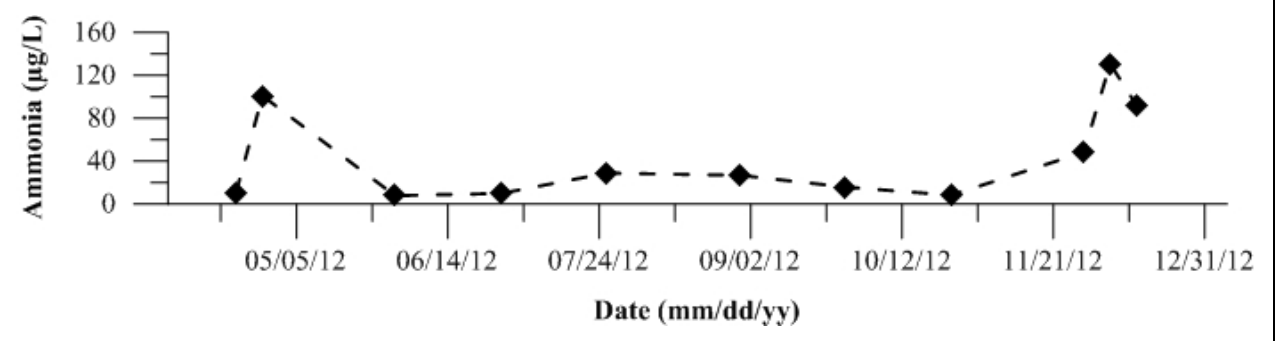


Figure 1518: Total ammonia for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1519-1544: Temporal plots of total nitrogen by Site ID

Figure 1519: Total nitrogen for Site 2 SJR at Dos Reis Park. Data collected in 2012.

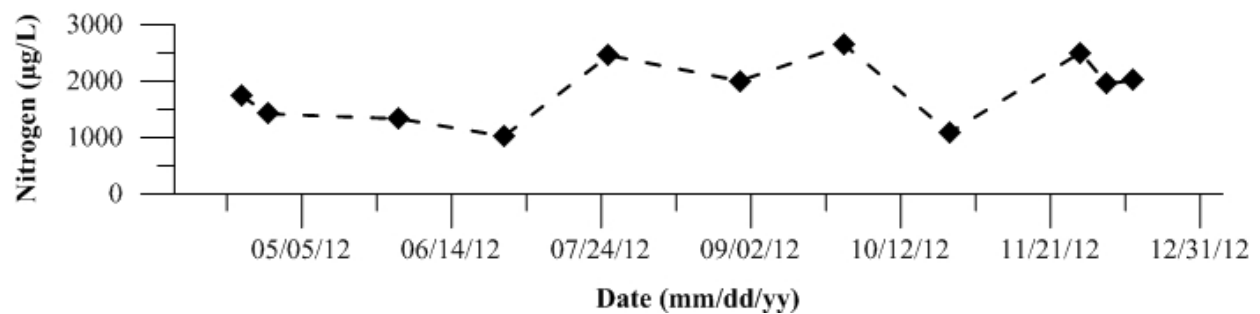


Figure 1520: Total nitrogen for Site 4 SJR at Mossdale. Data collected in 2012.

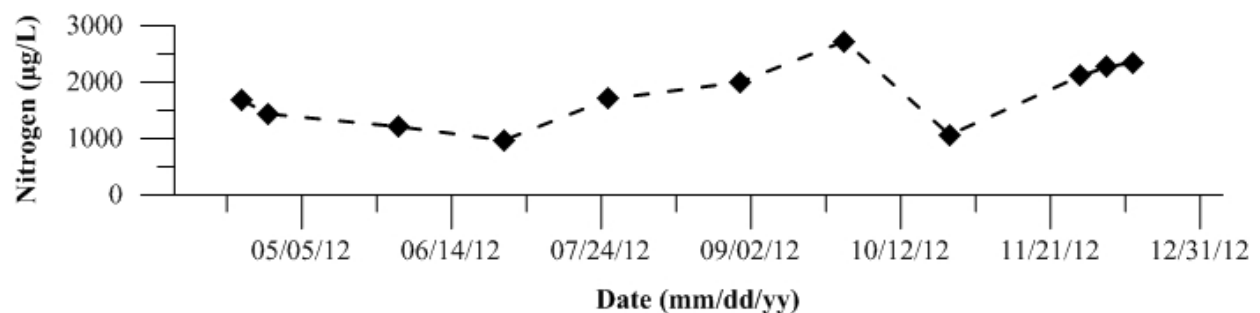


Figure 1521: Total nitrogen for Site 7 SJR at Patterson. Data collected in 2012.

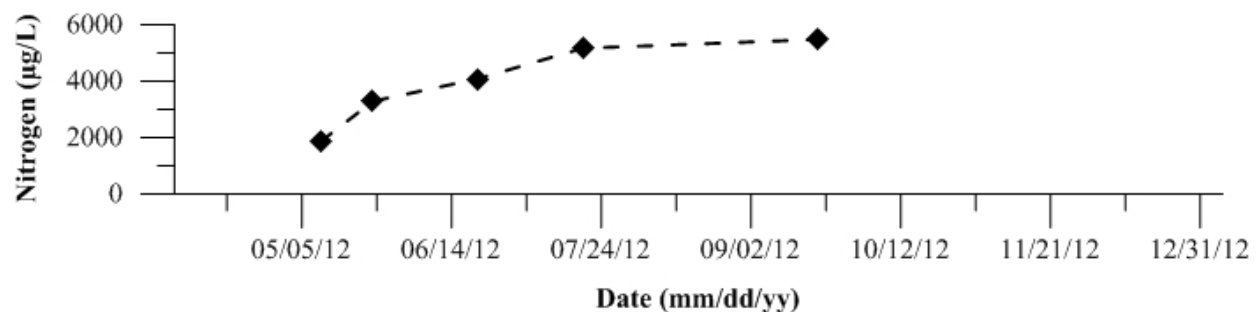


Figure 1522: Total nitrogen for Site 10 SJR at Lander Avenue. Data collected in 2012.

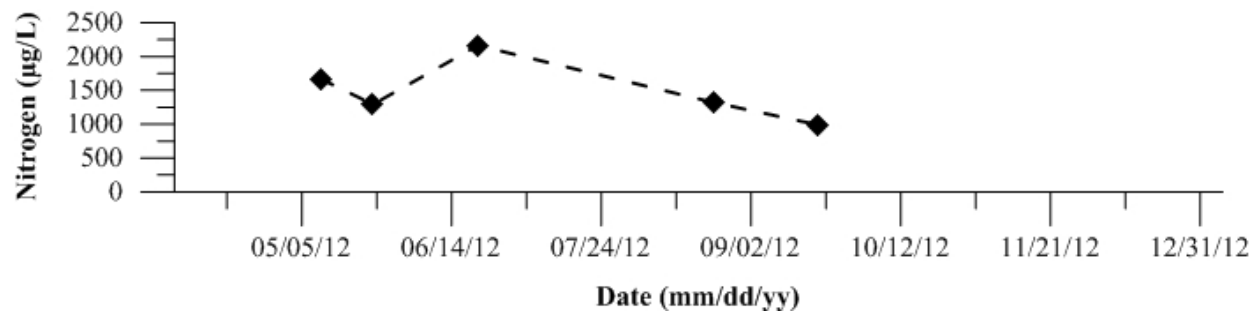


Figure 1523: Total nitrogen for Site 11 French Camp Slough. Data collected in 2012.

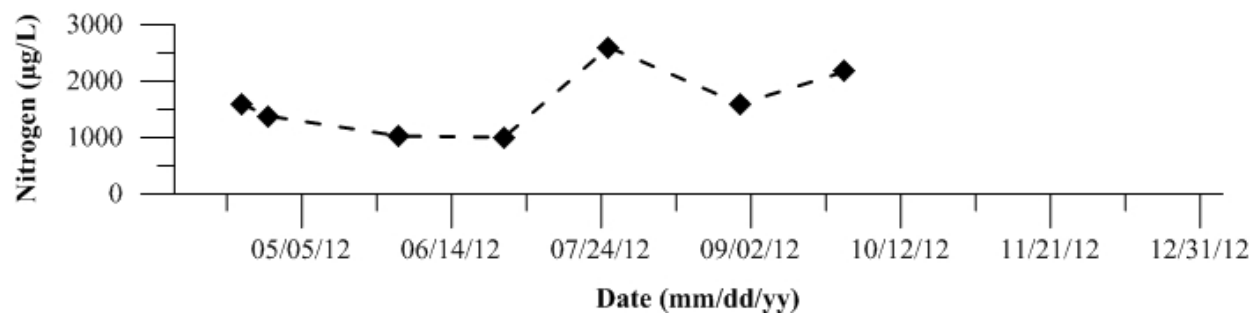


Figure 1524: Total nitrogen for Site 16 Merced River at River Road. Data collected in 2012.

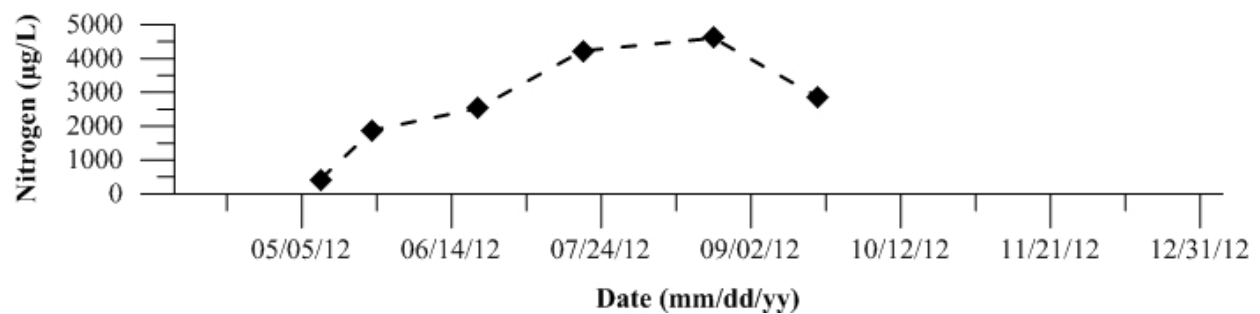


Figure 1525: Total nitrogen for Site 18 Mud Slough near Gustine. Data collected in 2012.

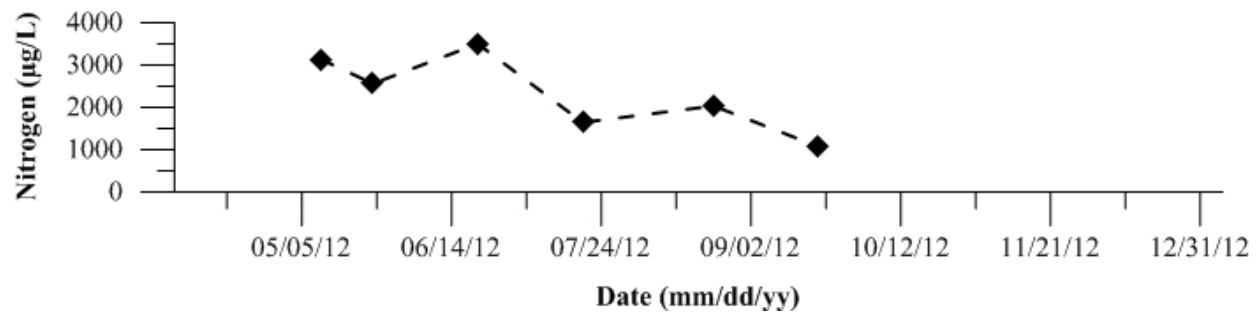


Figure 1526: Total nitrogen for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

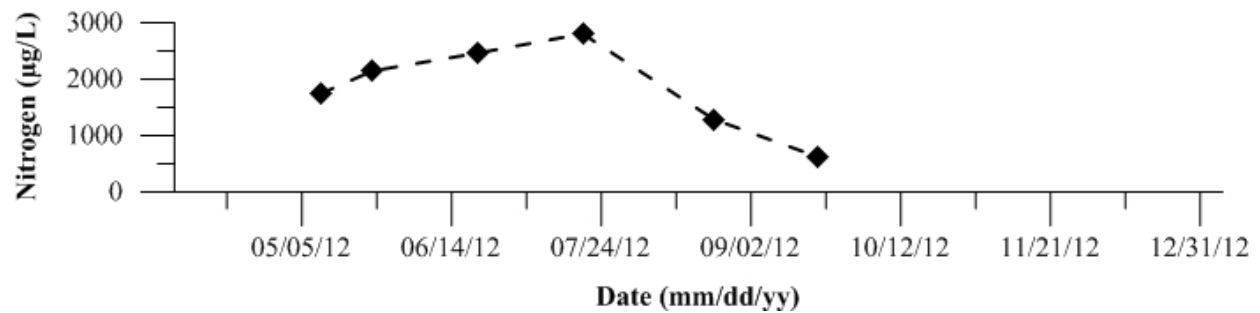


Figure 1527: Total nitrogen for Site 21 Orestimba Creek at River Road. Data collected in 2012.

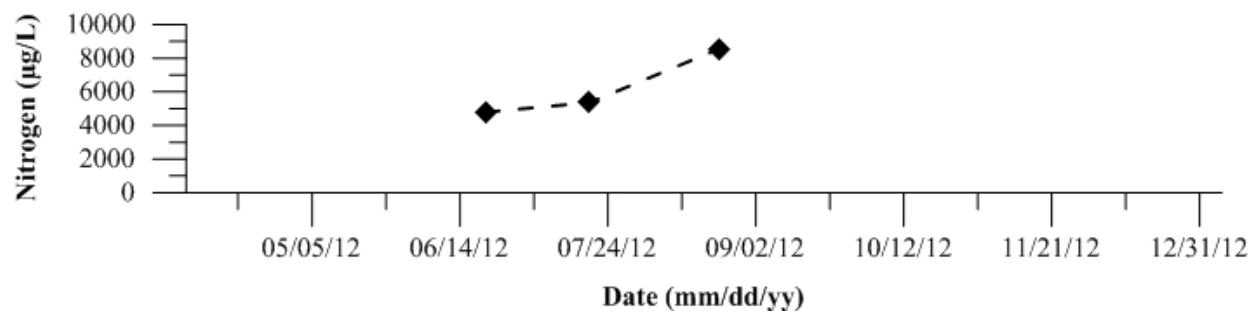


Figure 1528: Total nitrogen for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

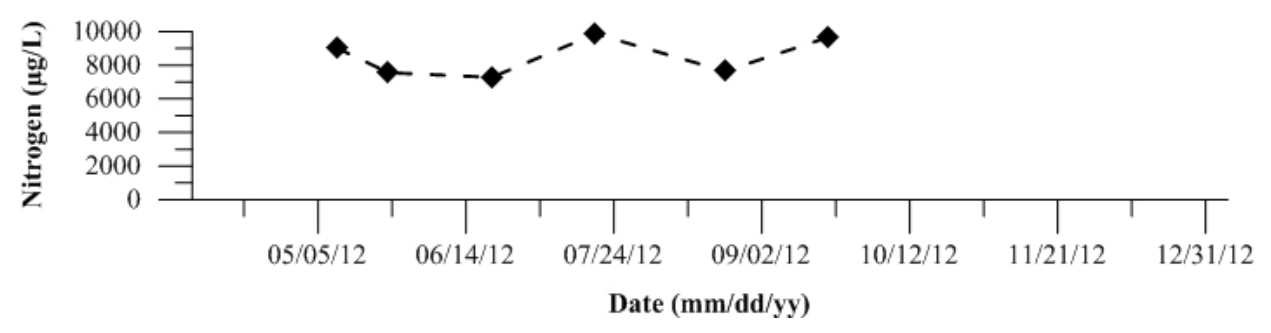


Figure 1529: Total nitrogen for Site 34 Ingram Creek. Data collected in 2012.

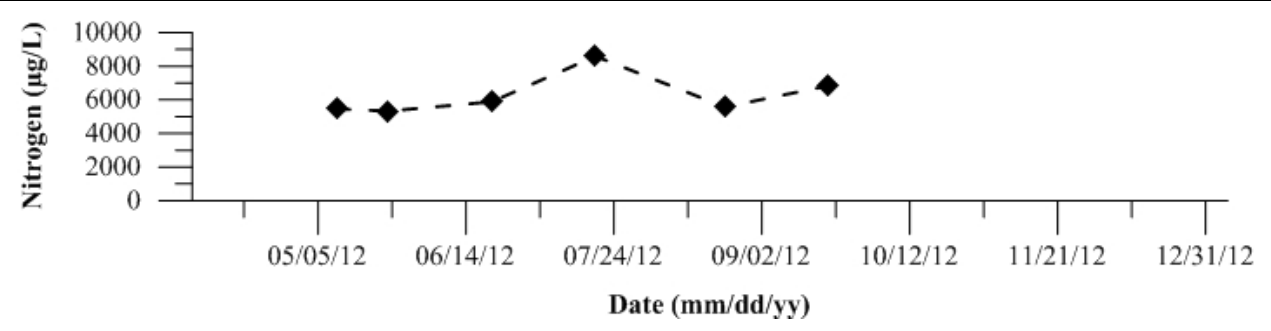


Figure 1530: Total nitrogen for Site 44 San Luis Drain End. Data collected in 2012.

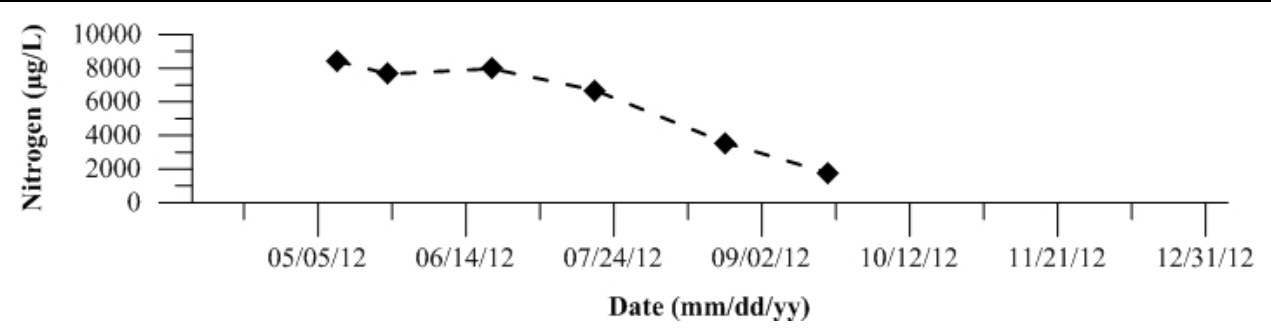


Figure 1531: Total nitrogen for Site 127 SJR at Brant Bridge. Data collected in 2012.

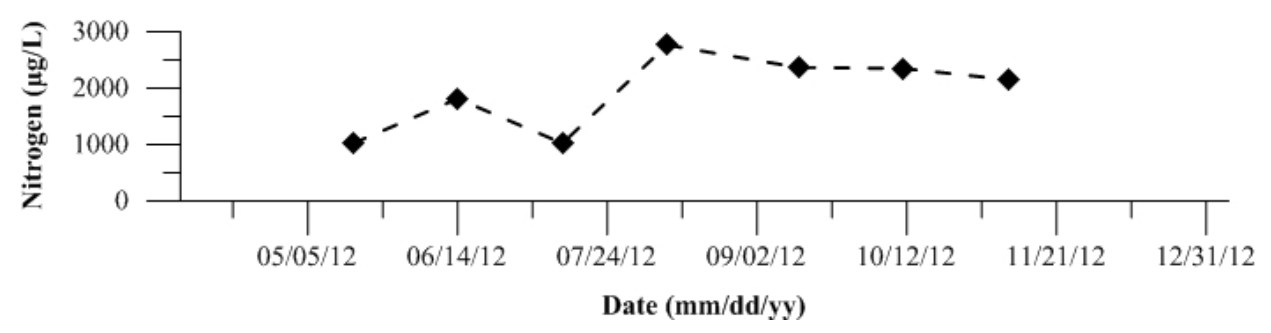


Figure 1532: Total nitrogen for Site 402 Light 18 (Node 96). Data collected in 2012.

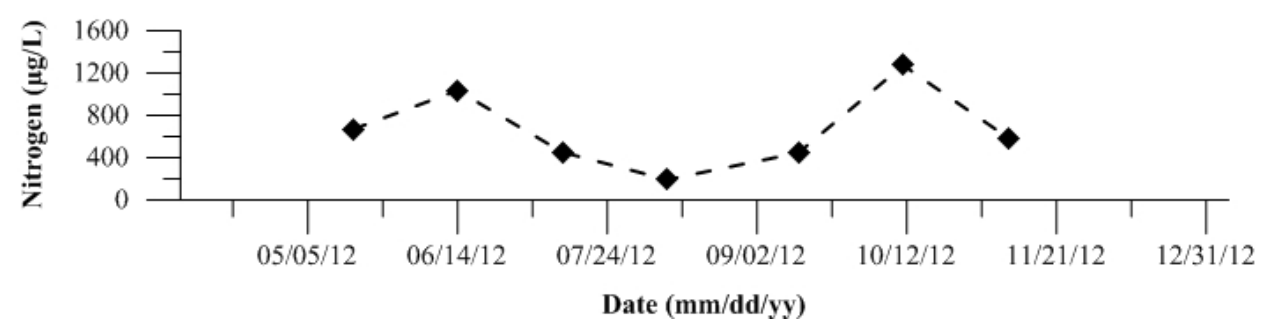


Figure 1533: Total nitrogen for Site 405 Calaveras River. Data collected in 2012.

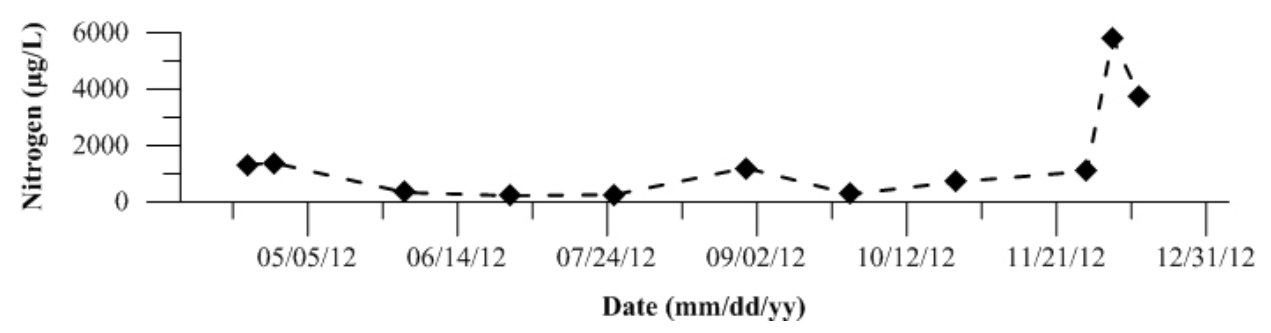


Figure 1534: Total nitrogen for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

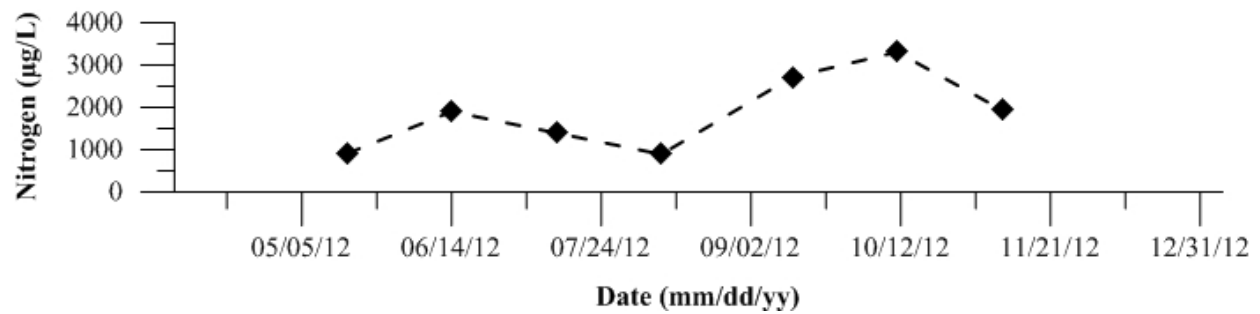


Figure 1535: Total nitrogen for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

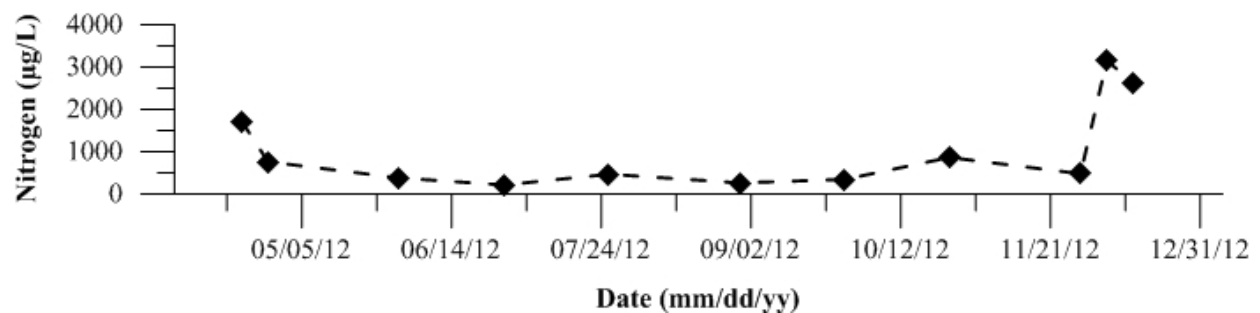


Figure 1536: Total nitrogen for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

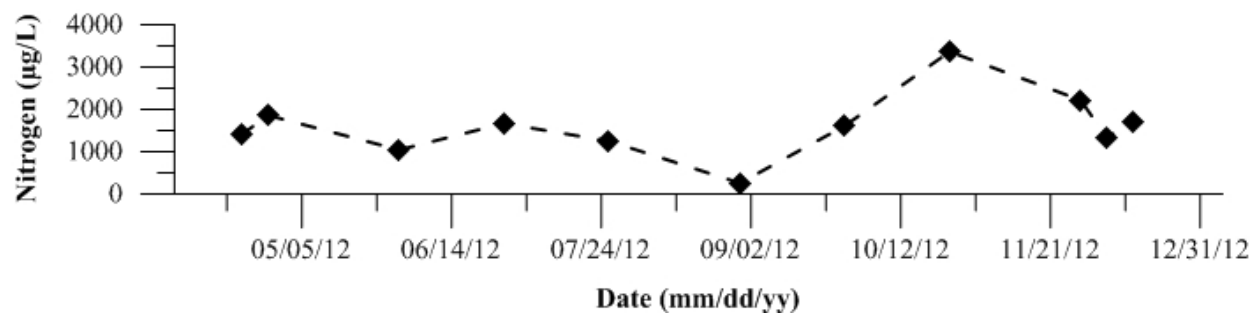


Figure 1537: Total nitrogen for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

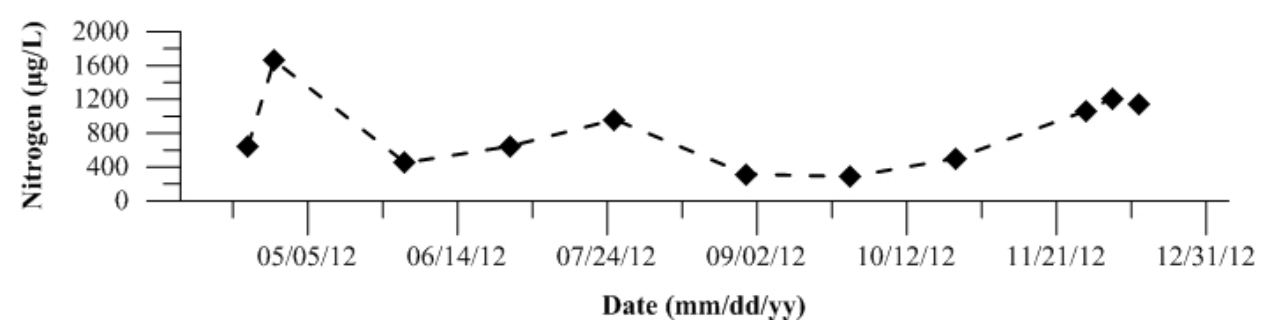


Figure 1538: Total nitrogen for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

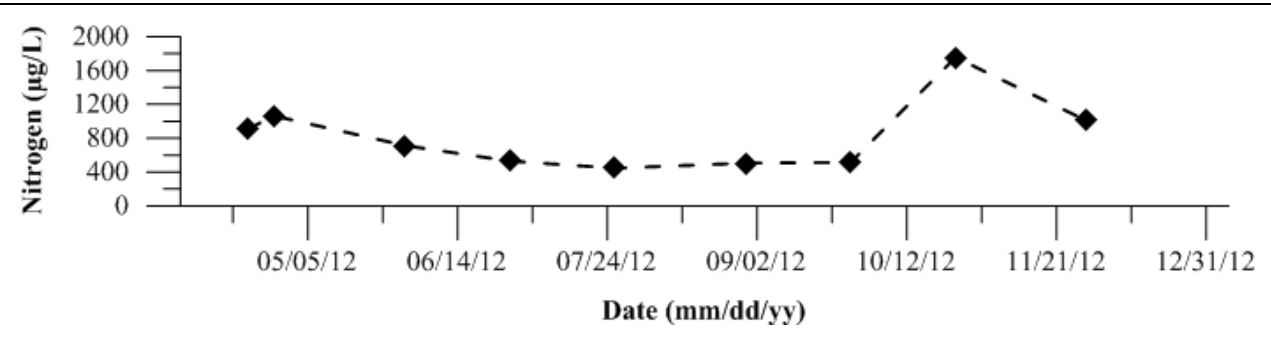


Figure 1539: Total nitrogen for Site 424 14mi Slough. Data collected in 2012.

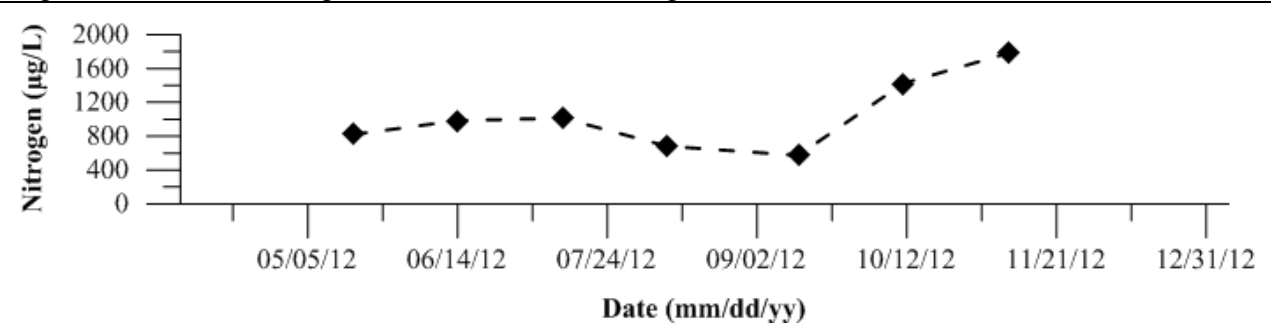


Figure 1540: Total nitrogen for Site 425 Turner Cut. Data collected in 2012.

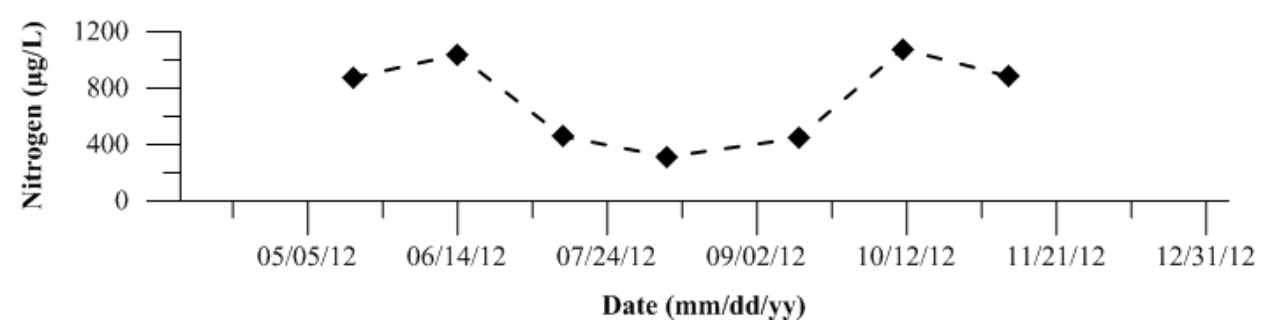


Figure 1541: Total nitrogen for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

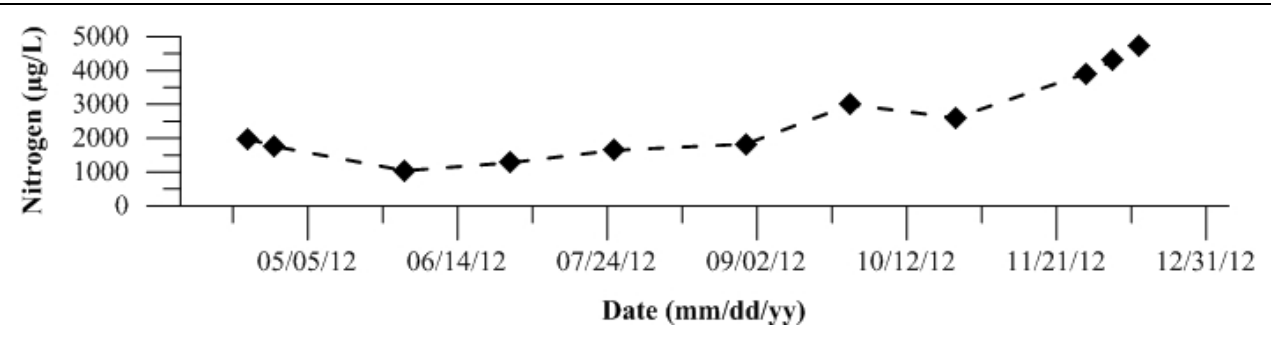


Figure 1542: Total nitrogen for Site 427 RM 39 Near Louis Park. Data collected in 2012.

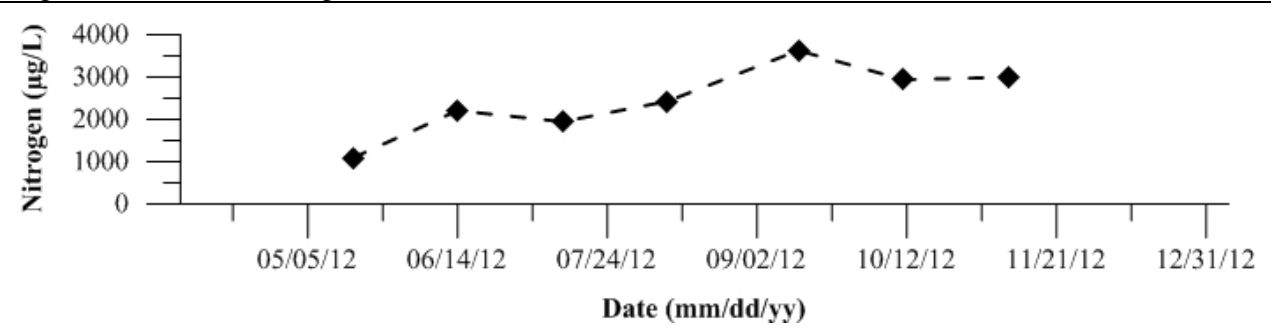


Figure 1543: Total nitrogen for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

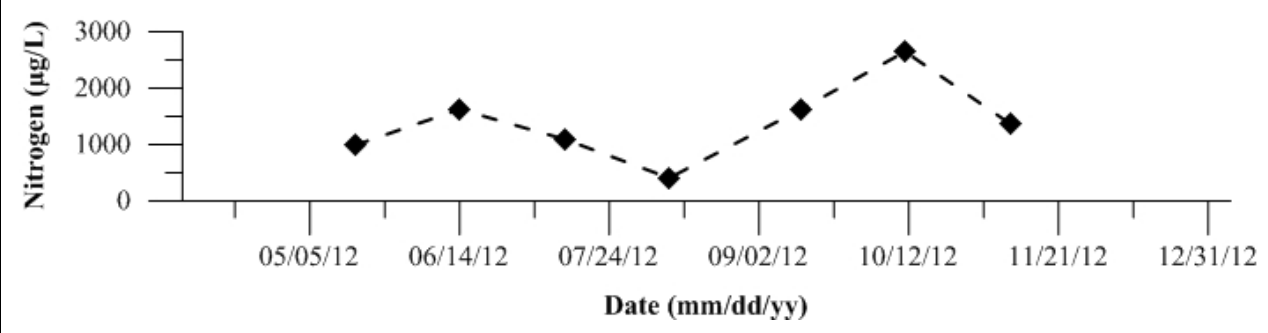
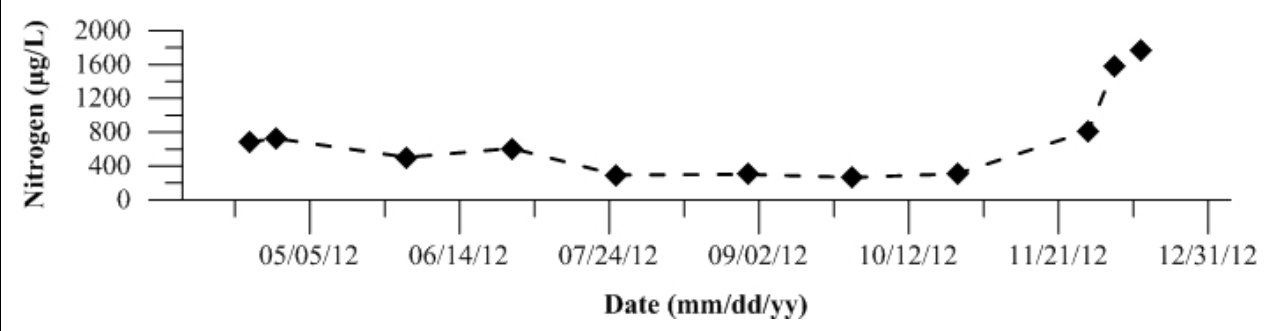


Figure 1544: Total nitrogen for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1545-1570: Temporal plots of dissolved phosphate as filtered in the lab by Site ID

Figure 1545: Dissolved phosphate as filtered in the lab for Site 2 SJR at Dos Reis Park. Data collected in 2012.

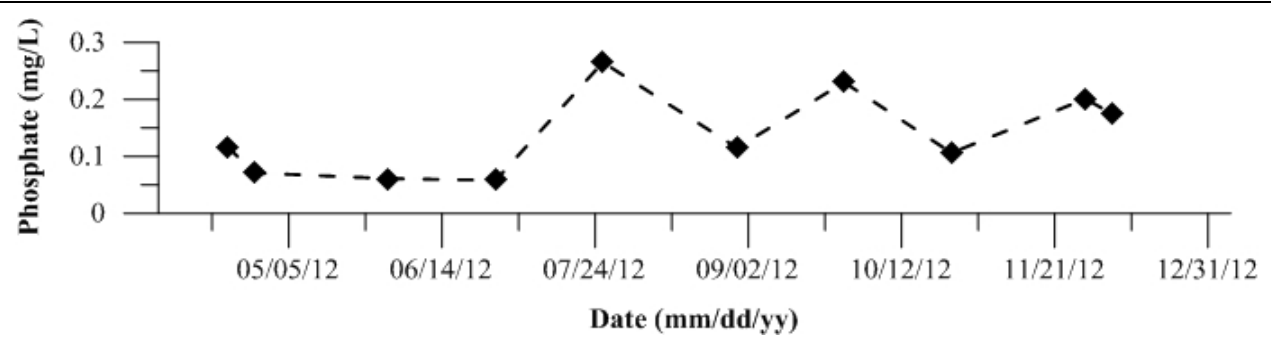


Figure 1546: Dissolved phosphate as filtered in the lab for Site 4 SJR at Mossdale. Data collected in 2012.

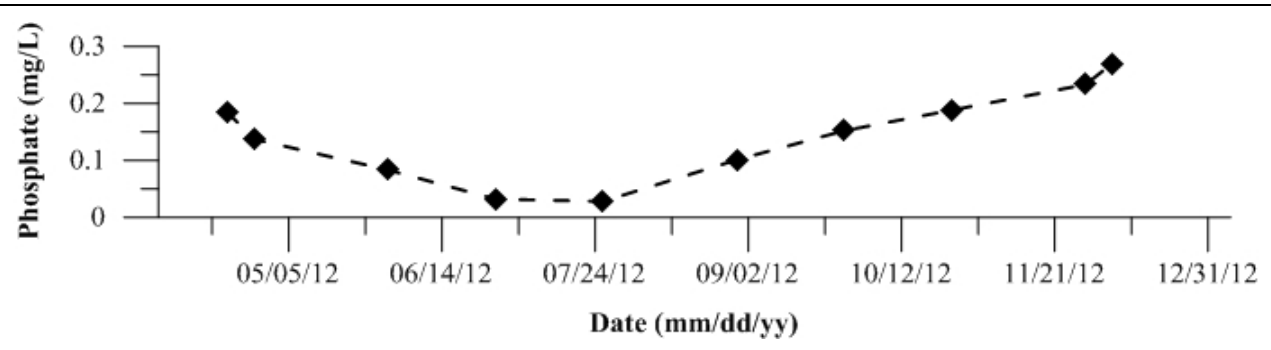


Figure 1547: Dissolved phosphate as filtered in the lab for Site 7 SJR at Patterson. Data collected in 2012.

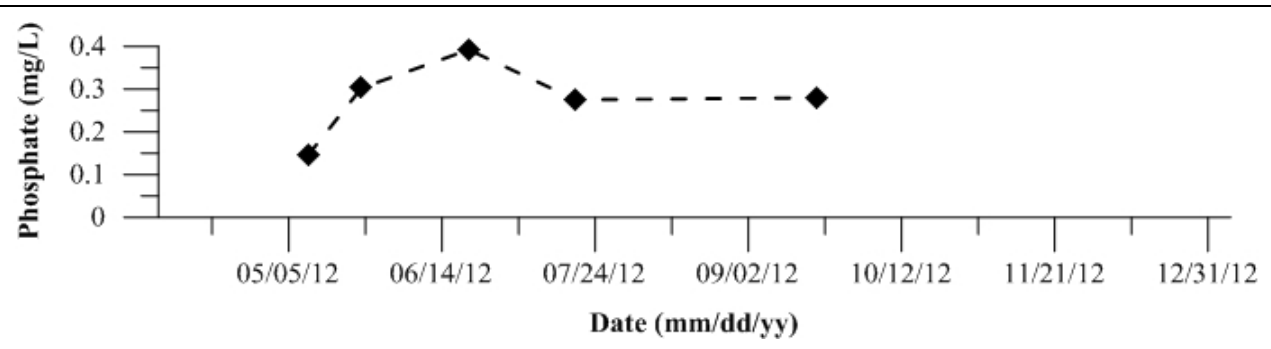


Figure 1548: Dissolved phosphate as filtered in the lab for Site 10 SJR at Lander Avenue. Data collected in 2012.

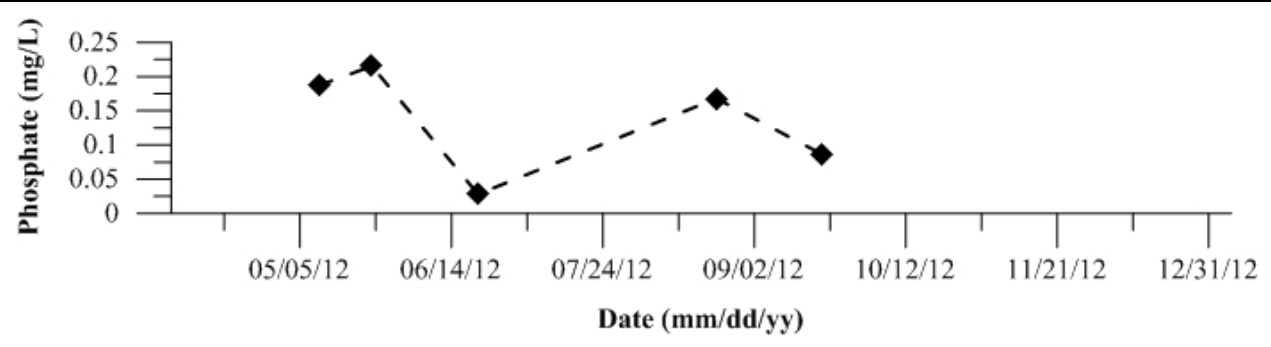


Figure 1549: Dissolved phosphate as filtered in the lab for Site 11 French Camp Slough. Data collected in 2012.

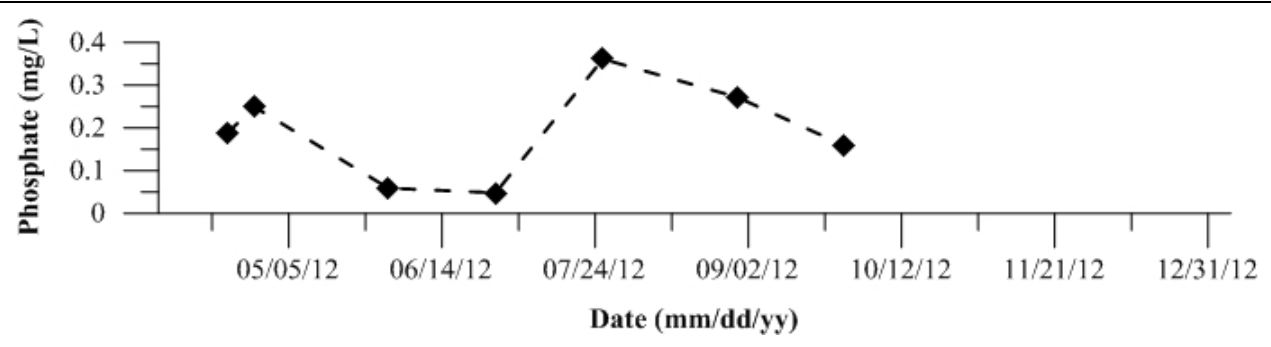


Figure 1550: Dissolved phosphate as filtered in the lab for Site 16 Merced River at River Road. Data collected in 2012.

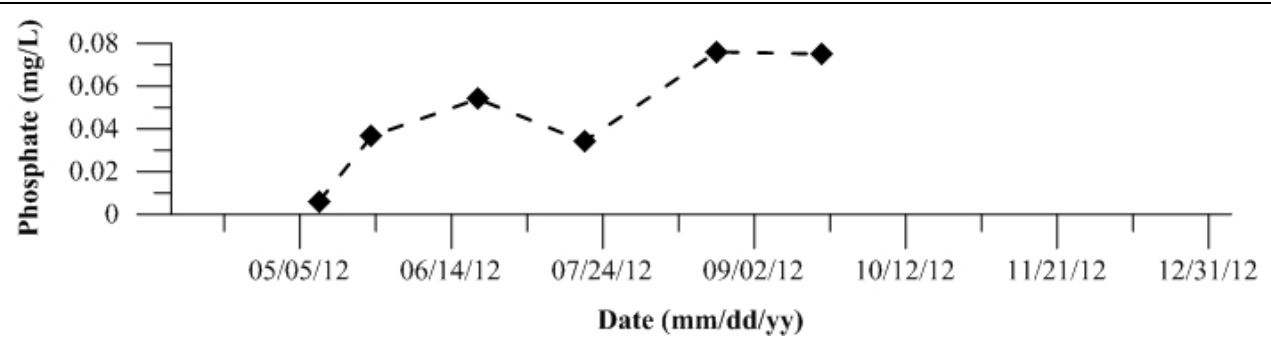


Figure 1551: Dissolved phosphate as filtered in the lab for Site 18 Mud Slough near Gustine. Data collected in 2012.

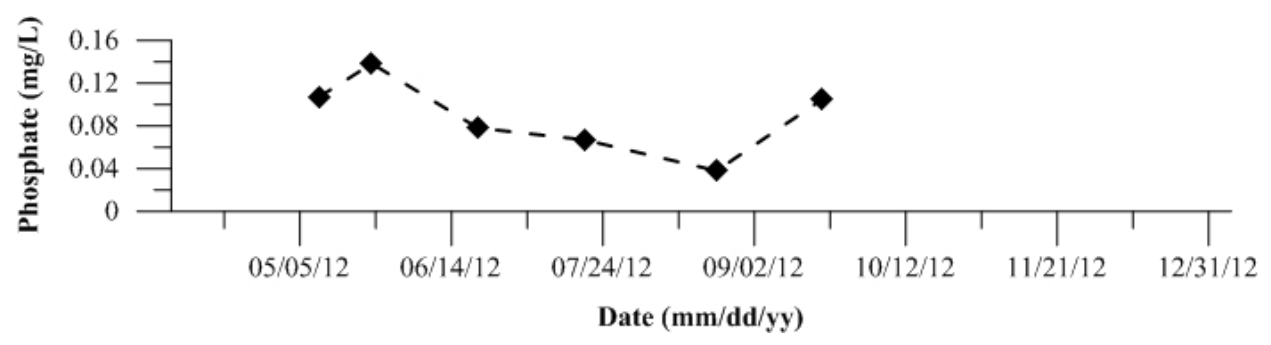


Figure 1552: Dissolved phosphate as filtered in the lab for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

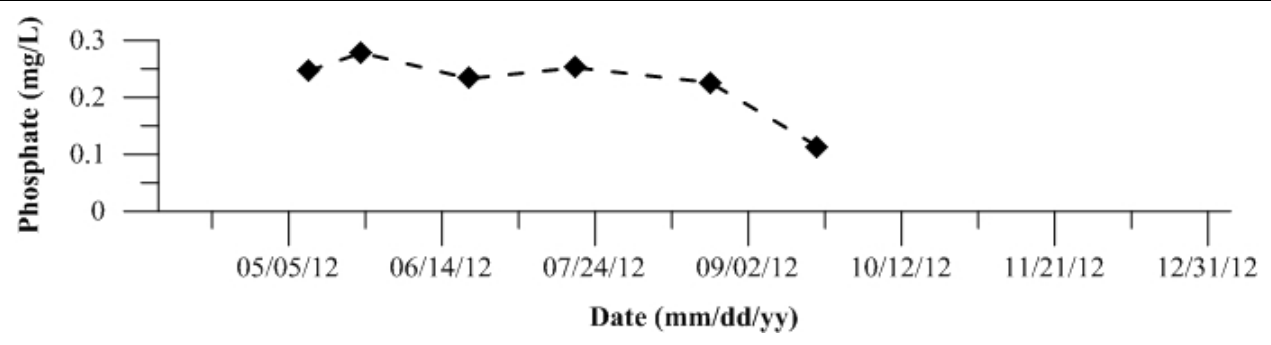


Figure 1553: Dissolved phosphate as filtered in the lab for Site 21 Orestimba Creek at River Road. Data collected in 2012.

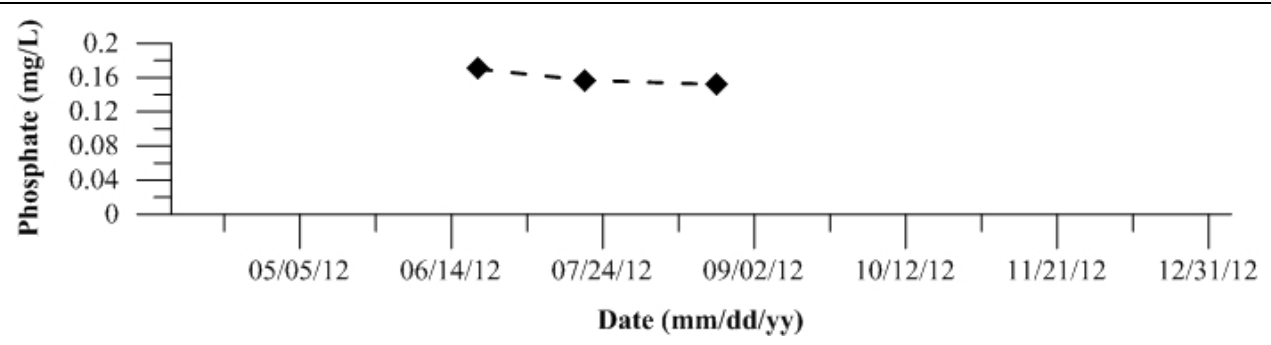


Figure 1554: Dissolved phosphate as filtered in the lab for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

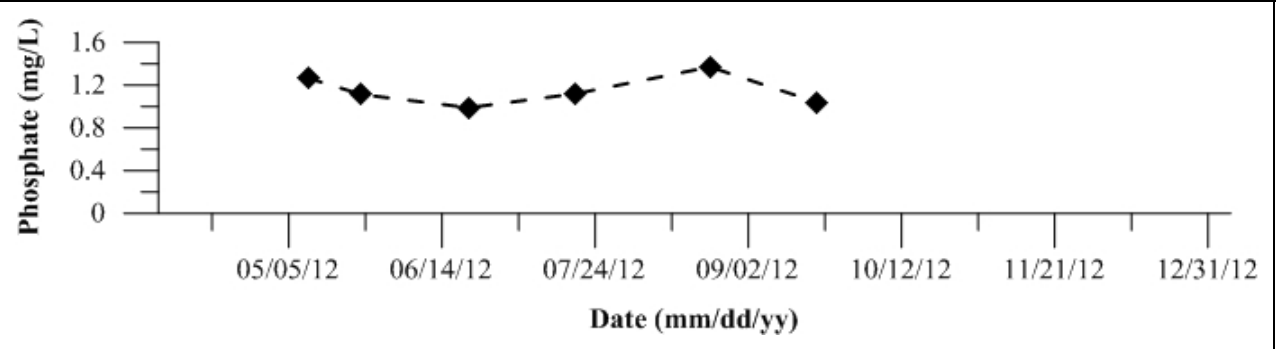


Figure 1555: Dissolved phosphate as filtered in the lab for Site 34 Ingram Creek. Data collected in 2012.

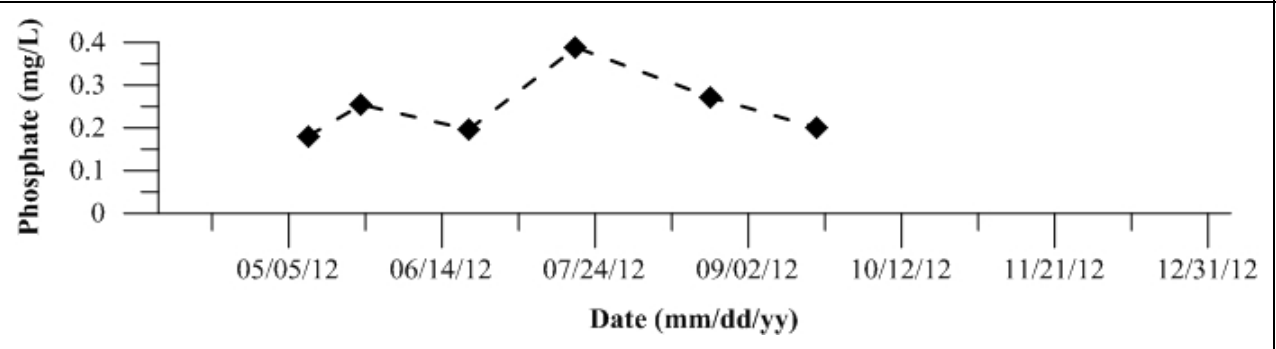


Figure 1556: Dissolved phosphate as filtered in the lab for Site 44 San Luis Drain End. Data collected in 2012.

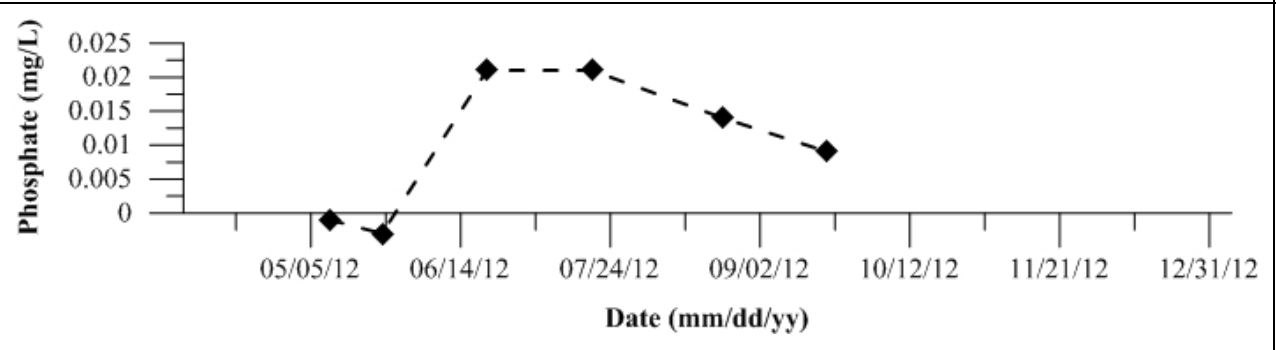


Figure 1557: Dissolved phosphate as filtered in the lab for Site 127 SJR at Brant Bridge. Data collected in 2012.

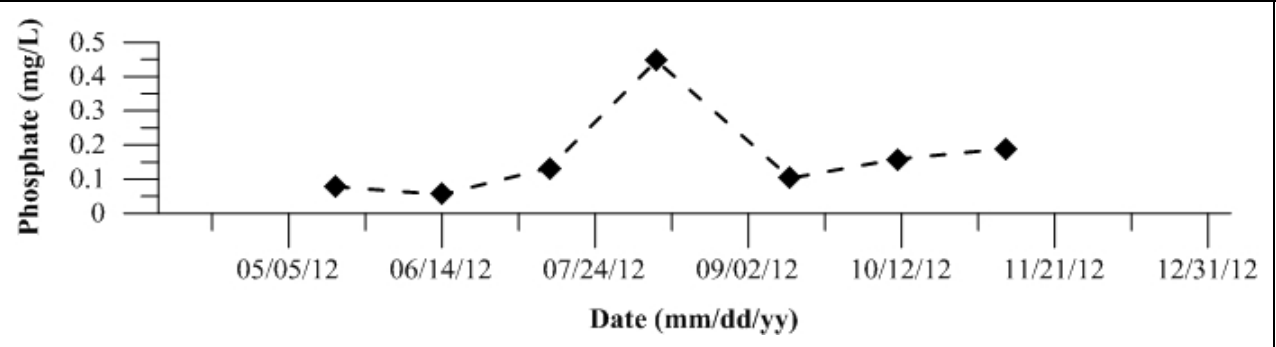


Figure 1558: Dissolved phosphate as filtered in the lab for Site 402 Light 18 (Node 96). Data collected in 2012.

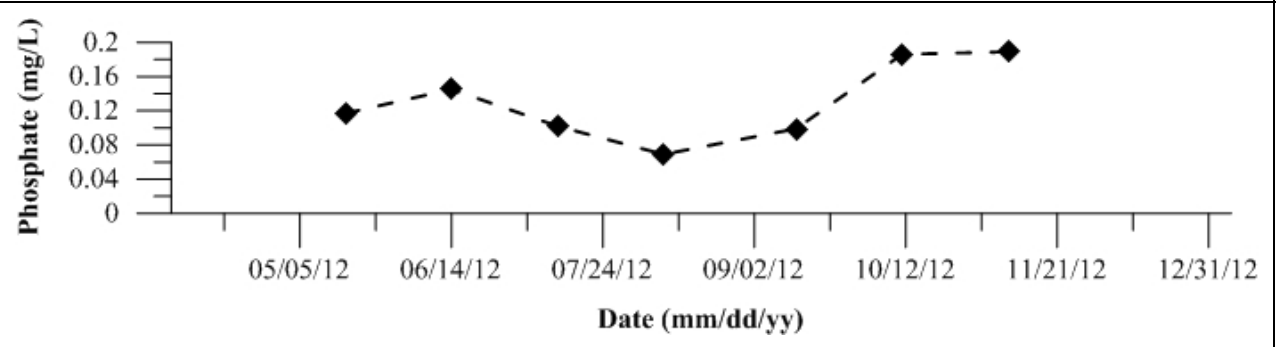


Figure 1559: Dissolved phosphate as filtered in the lab for Site 405 Calaveras River. Data collected in 2012.

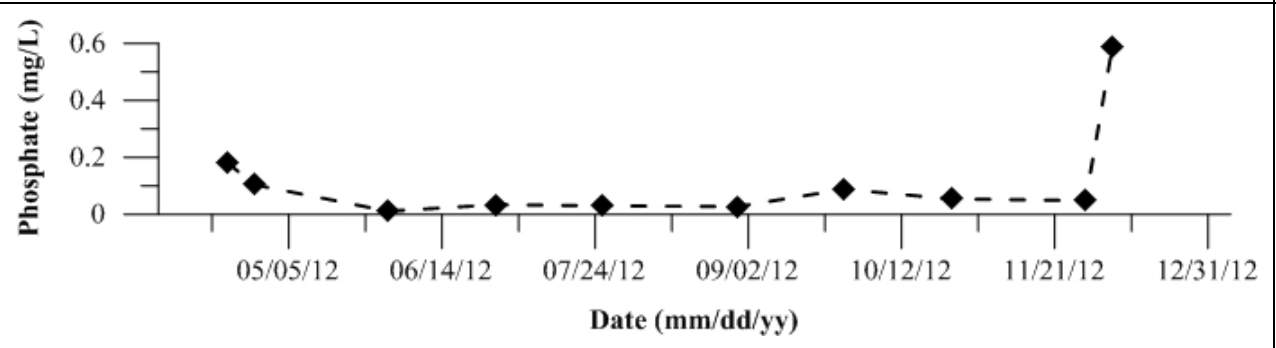


Figure 1560: Dissolved phosphate as filtered in the lab for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

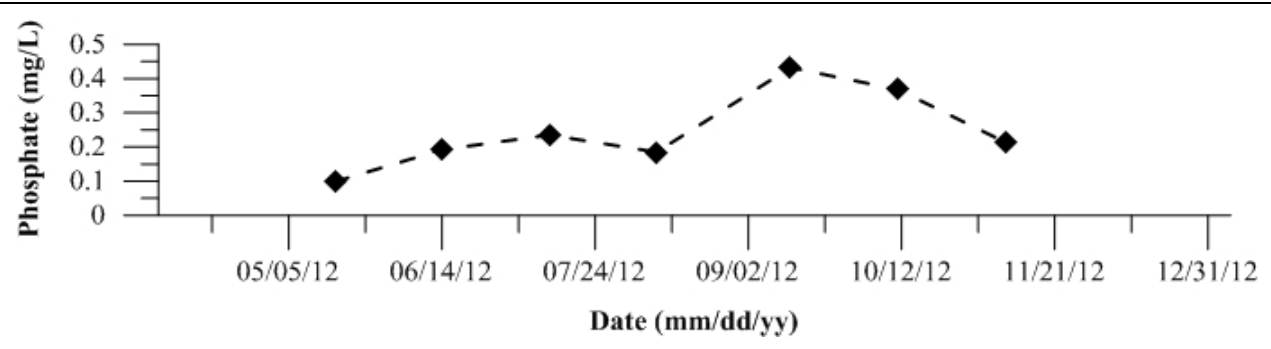


Figure 1561: Dissolved phosphate as filtered in the lab for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

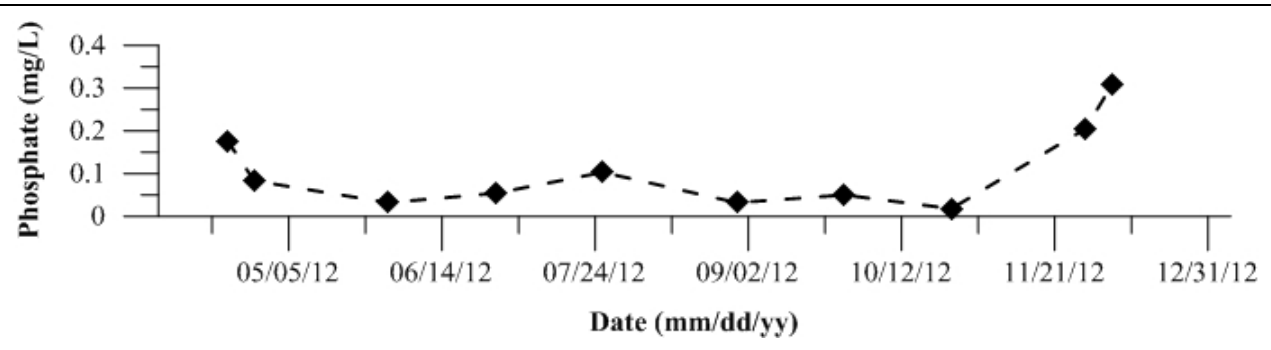


Figure 1562: Dissolved phosphate as filtered in the lab for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

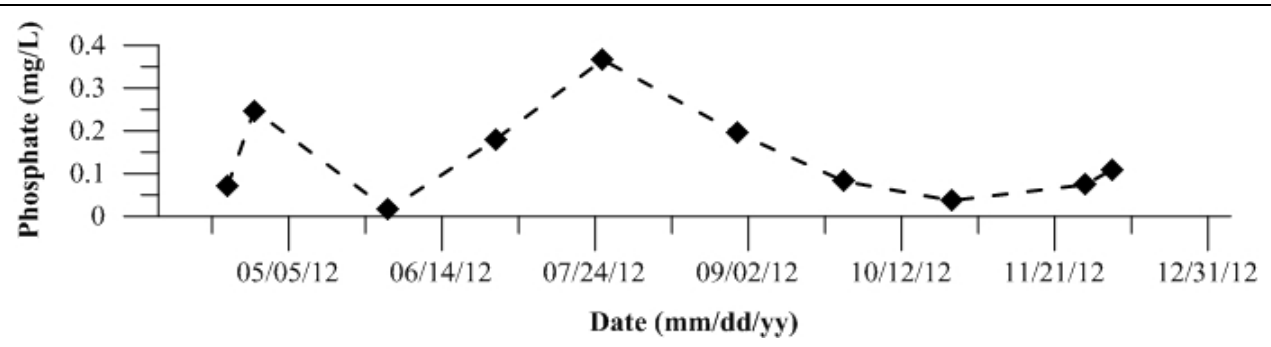


Figure 1563: Dissolved phosphate as filtered in the lab for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

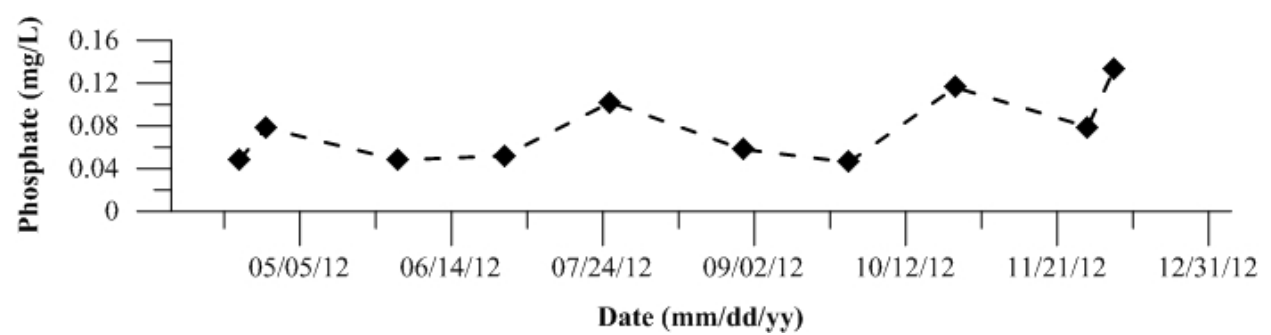


Figure 1564: Dissolved phosphate as filtered in the lab for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

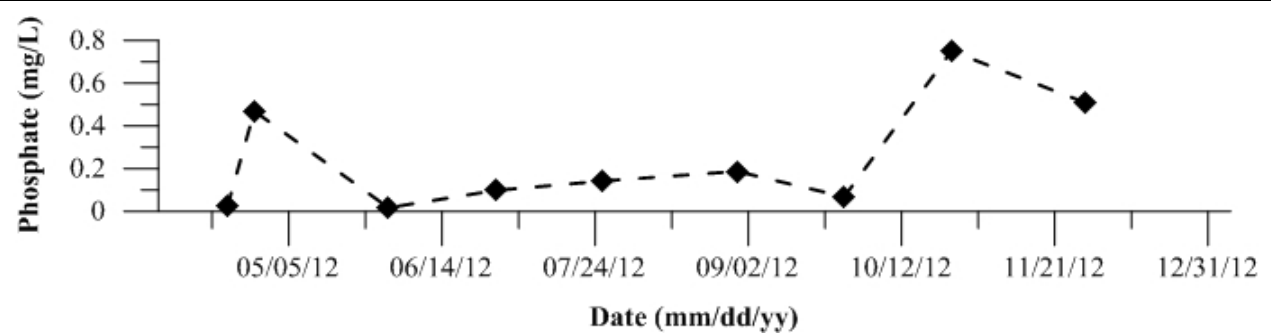


Figure 1565: Dissolved phosphate as filtered in the lab for Site 424 14mi Slough. Data collected in 2012.

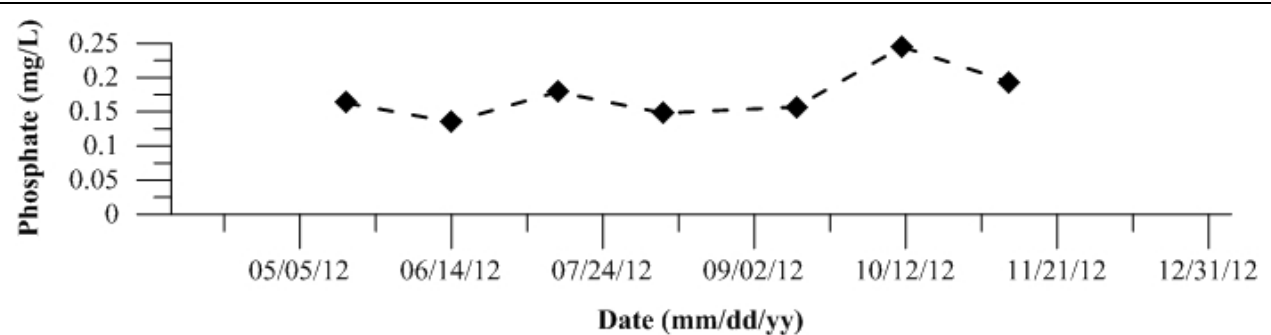


Figure 1566: Dissolved phosphate as filtered in the lab for Site 425 Turner Cut. Data collected in 2012.

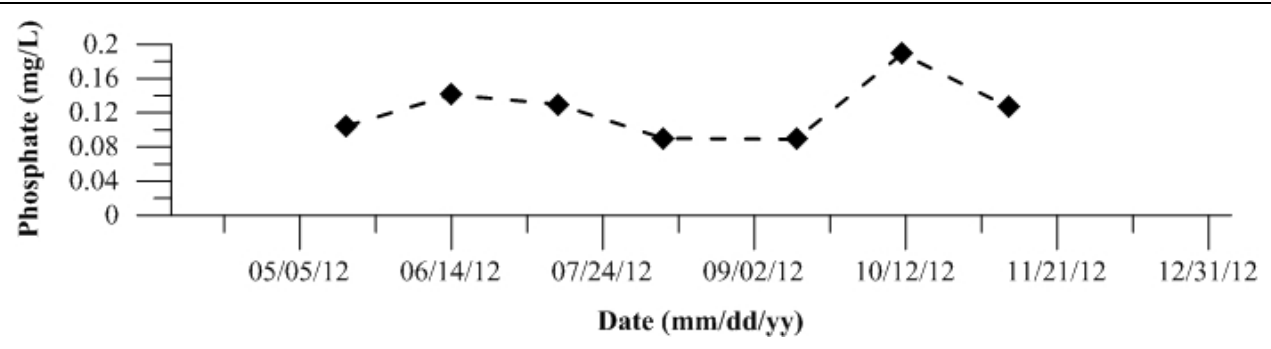


Figure 1567: Dissolved phosphate as filtered in the lab for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

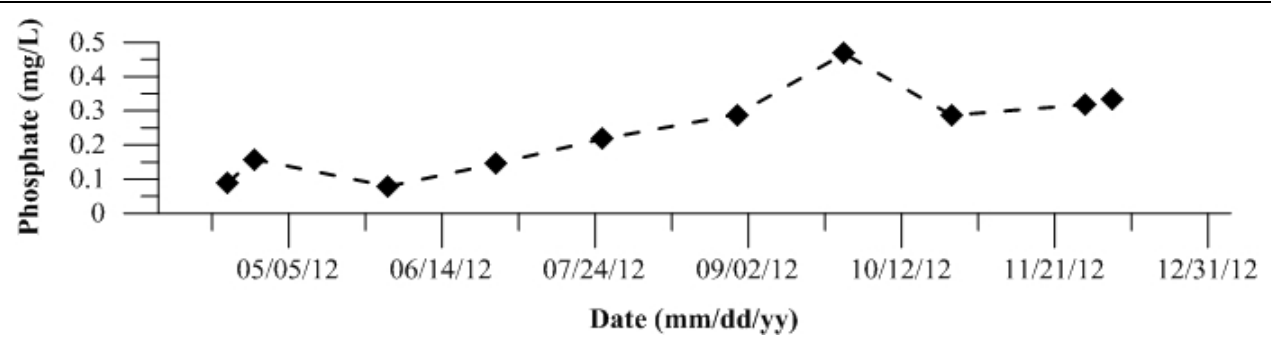


Figure 1568: Dissolved phosphate as filtered in the lab for Site 427 RM 39 Near Louis Park. Data collected in 2012.

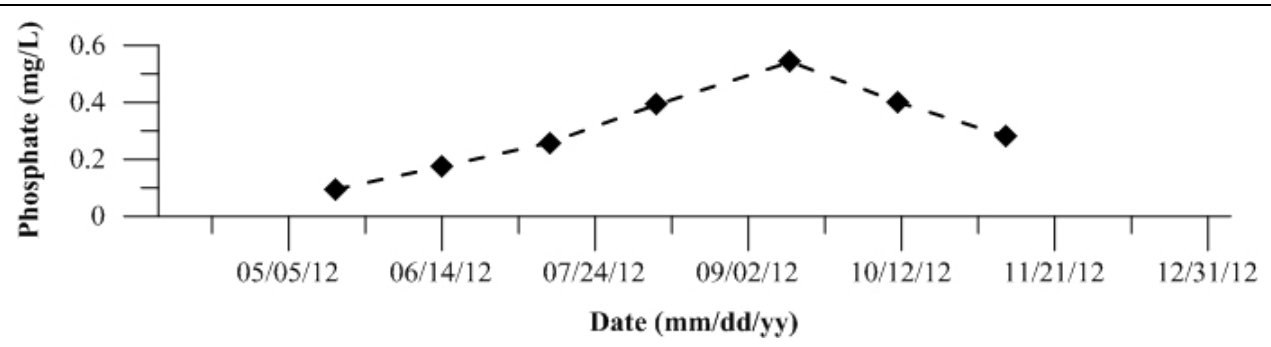


Figure 1569: Dissolved phosphate as filtered in the lab for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

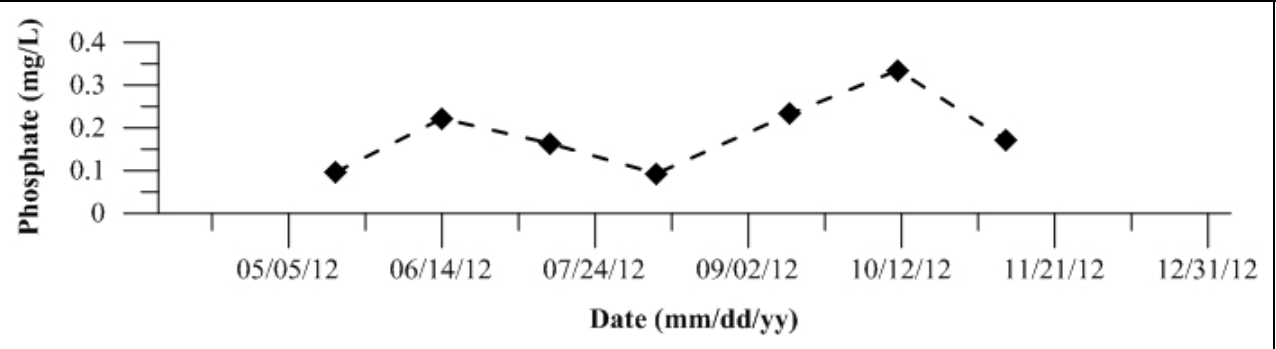
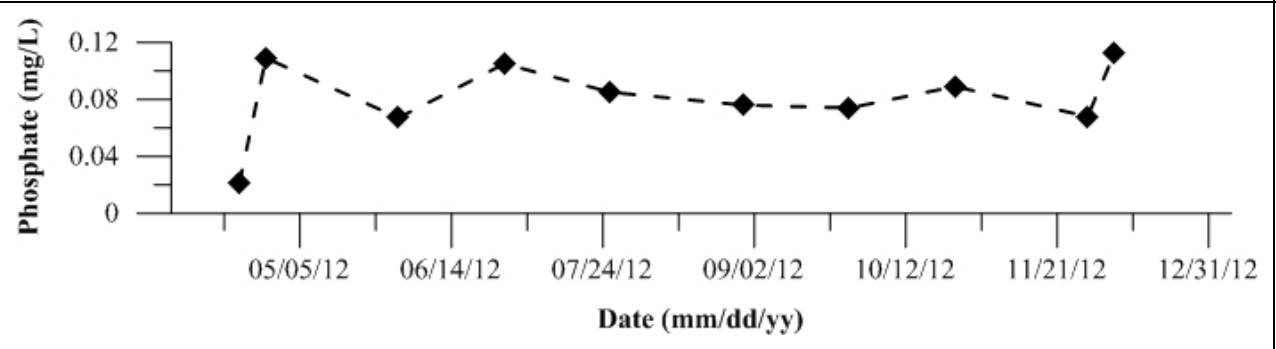


Figure 1570: Dissolved phosphate as filtered in the lab for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1571-1596: Temporal plots of total phosphorus as phosphate by Site ID

Figure 1571: Total phosphorus as phosphate for Site 2 SJR at Dos Reis Park. Data collected in 2012.

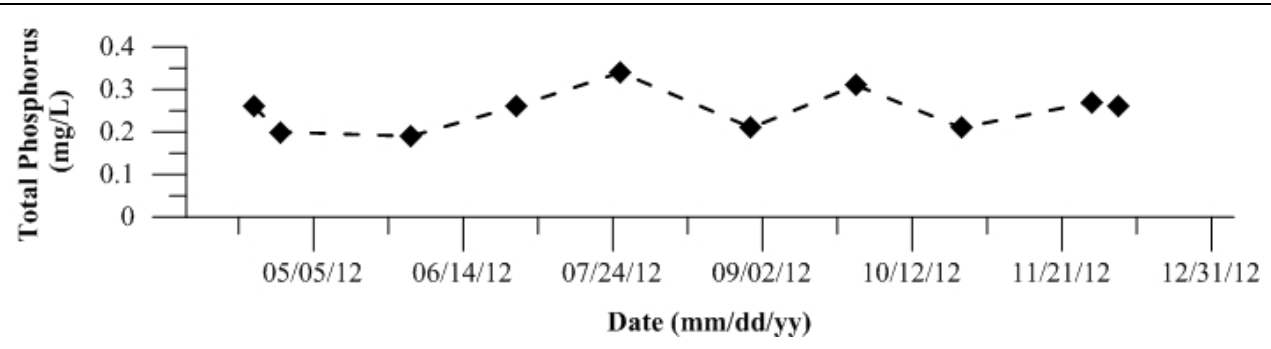


Figure 1572: Total phosphorus as phosphate for Site 4 SJR at Mossdale. Data collected in 2012.

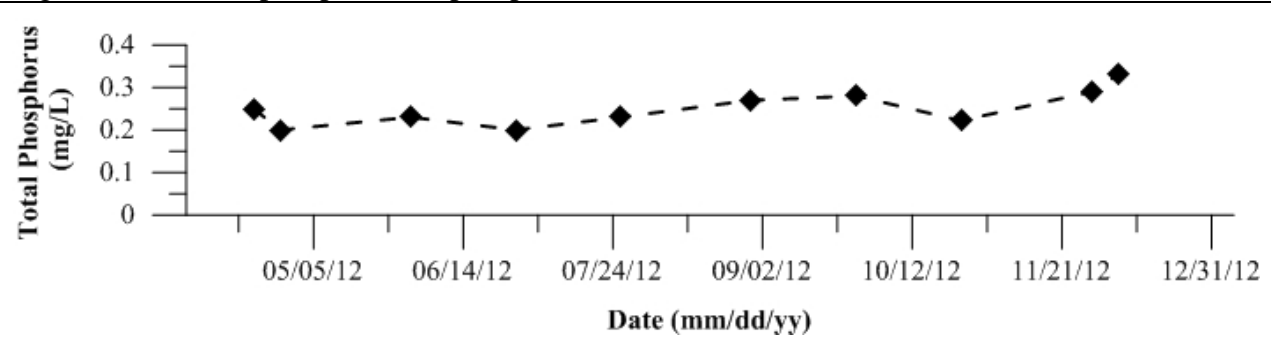


Figure 1573: Total phosphorus as phosphate for Site 7 SJR at Patterson. Data collected in 2012.

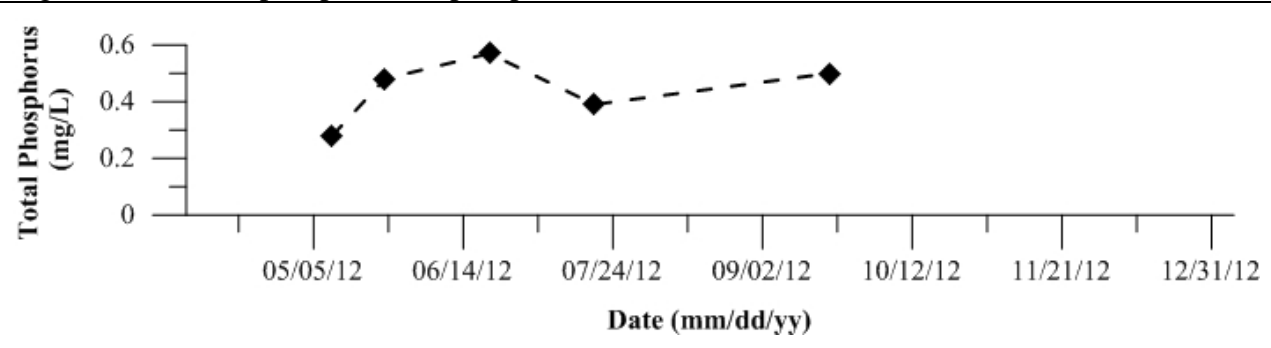


Figure 1574: Total phosphorus as phosphate for Site 10 SJR at Lander Avenue. Data collected in 2012.

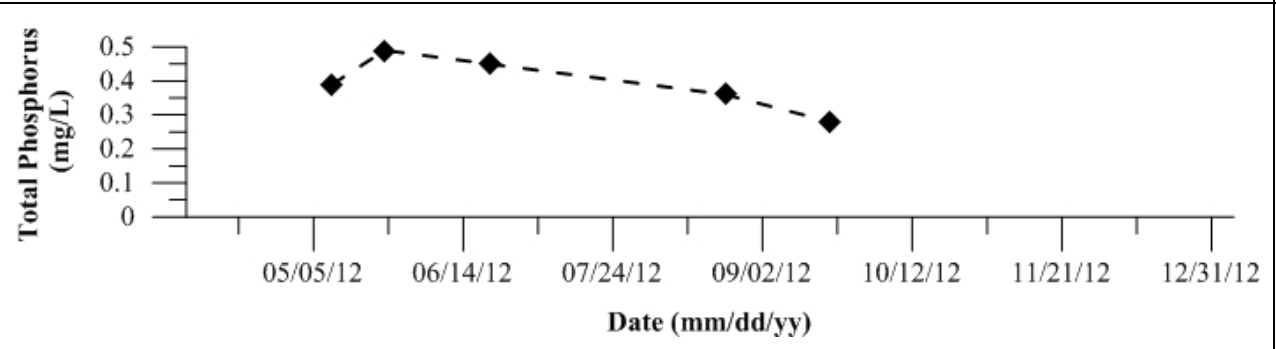


Figure 1575: Total phosphorus as phosphate for Site 11 French Camp Slough. Data collected in 2012.

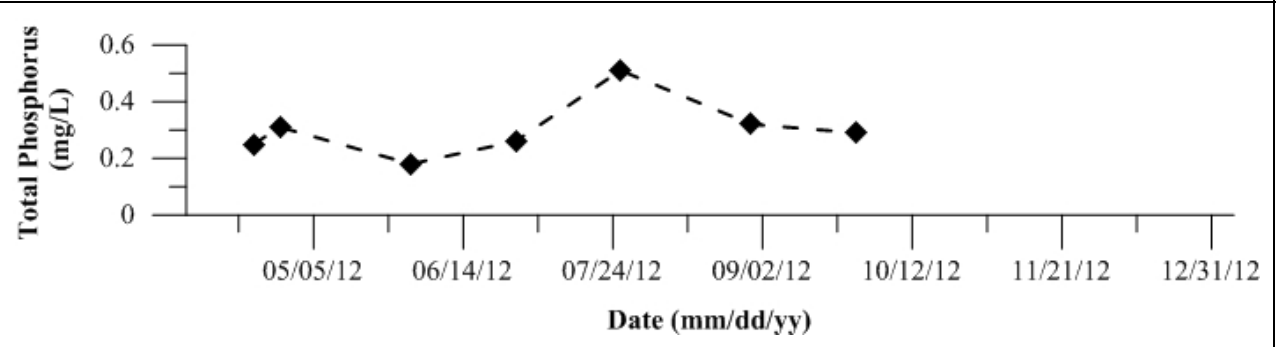


Figure 1576: Total phosphorus as phosphate for Site 16 Merced River at River Road. Data collected in 2012.

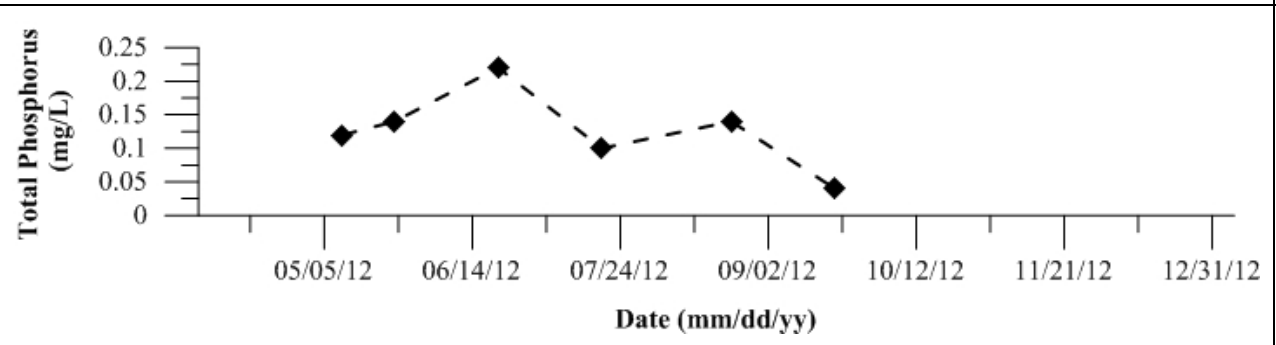


Figure 1577: Total phosphorus as phosphate for Site 18 Mud Slough near Gustine. Data collected in 2012.

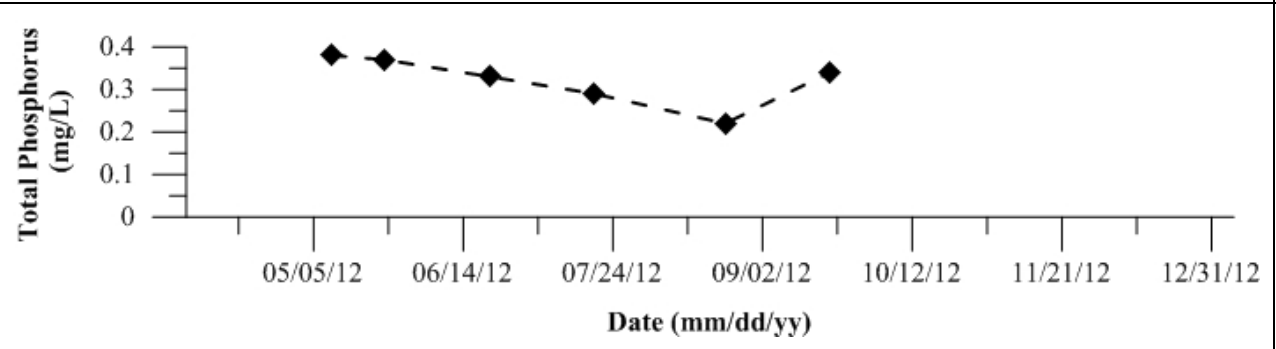


Figure 1578: Total phosphorus as phosphate for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

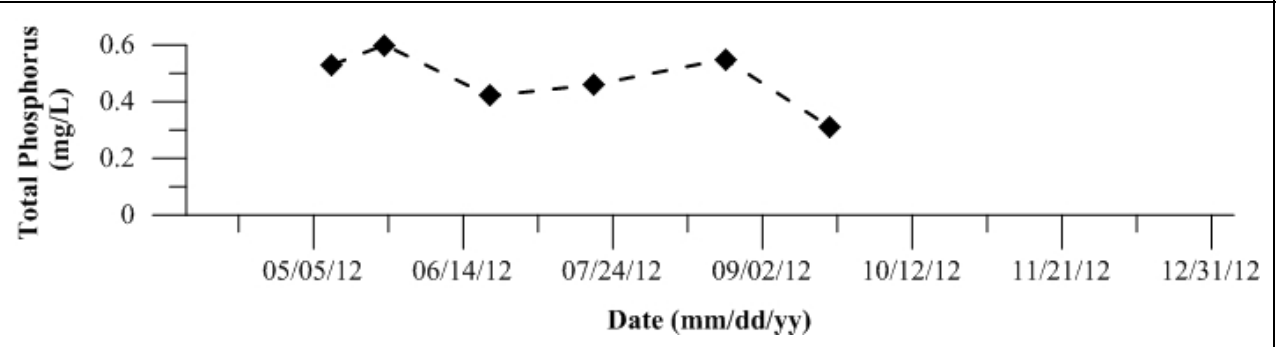


Figure 1579: Total phosphorus as phosphate for Site 21 Orestimba Creek at River Road. Data collected in 2012.

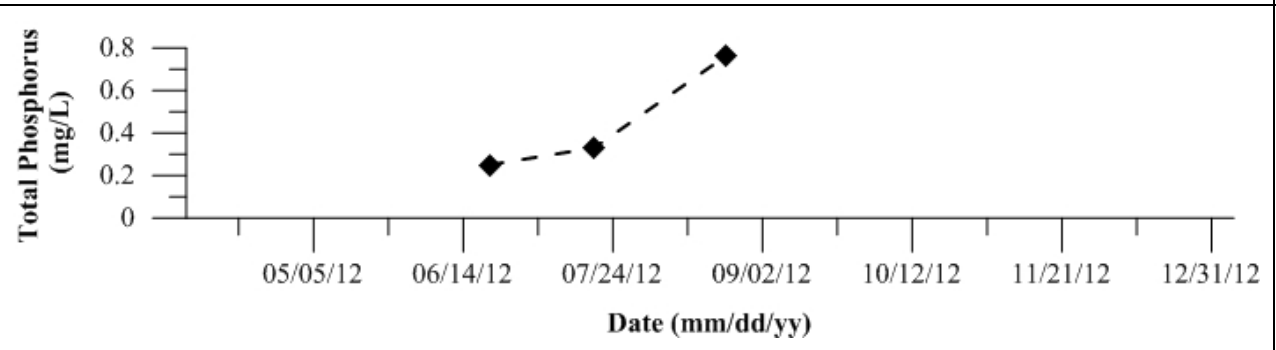


Figure 1580: Total phosphorus as phosphate for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

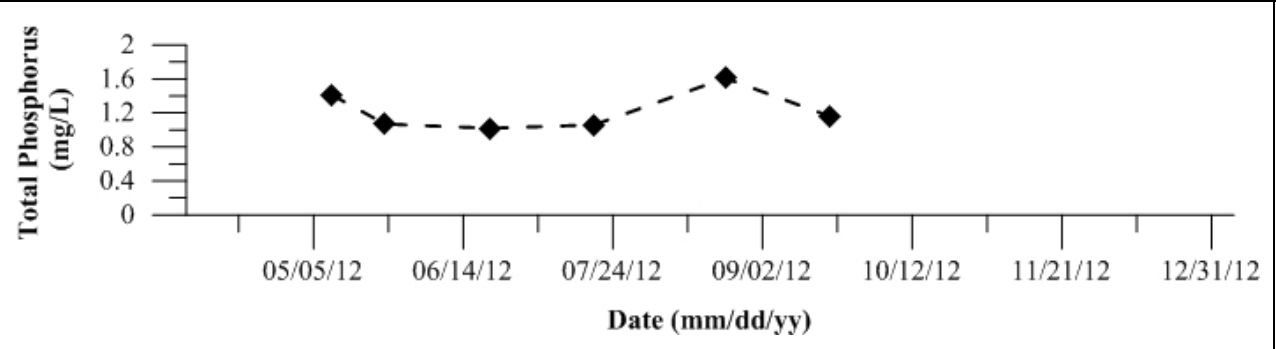


Figure 1581: Total phosphorus as phosphate for Site 34 Ingram Creek. Data collected in 2012.

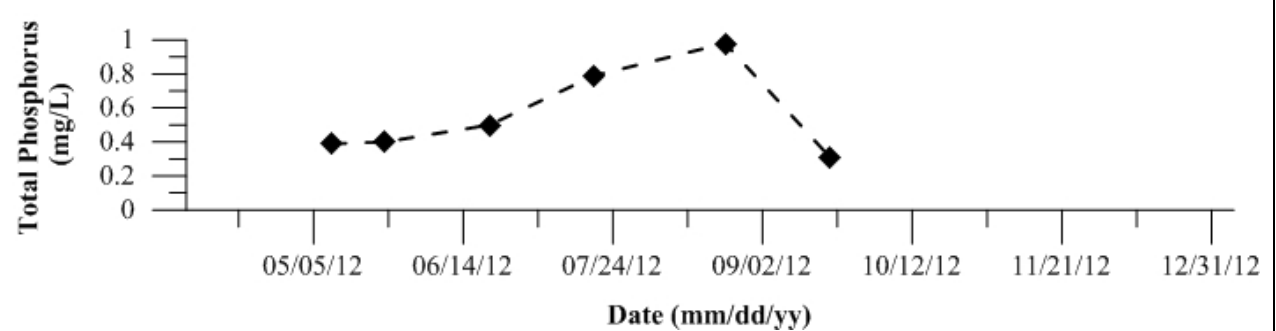


Figure 1582: Total phosphorus as phosphate for Site 44 San Luis Drain End. Data collected in 2012.

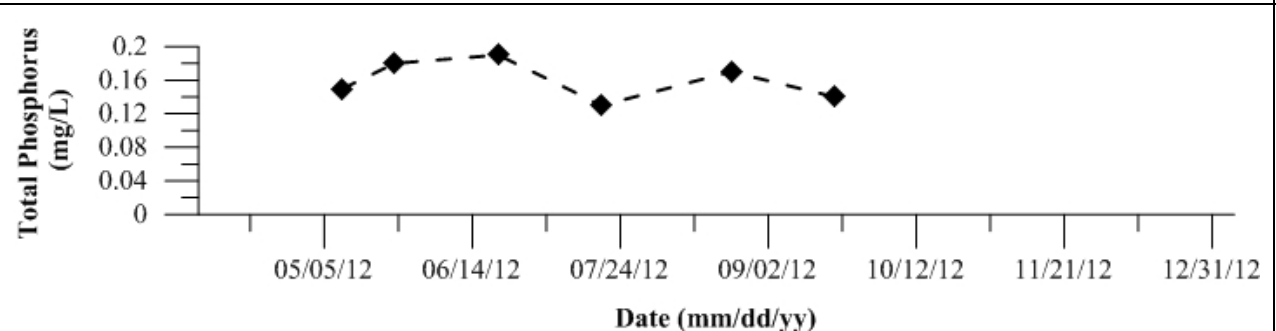


Figure 1583: Total phosphorus as phosphate for Site 127 SJR at Brant Bridge. Data collected in 2012.

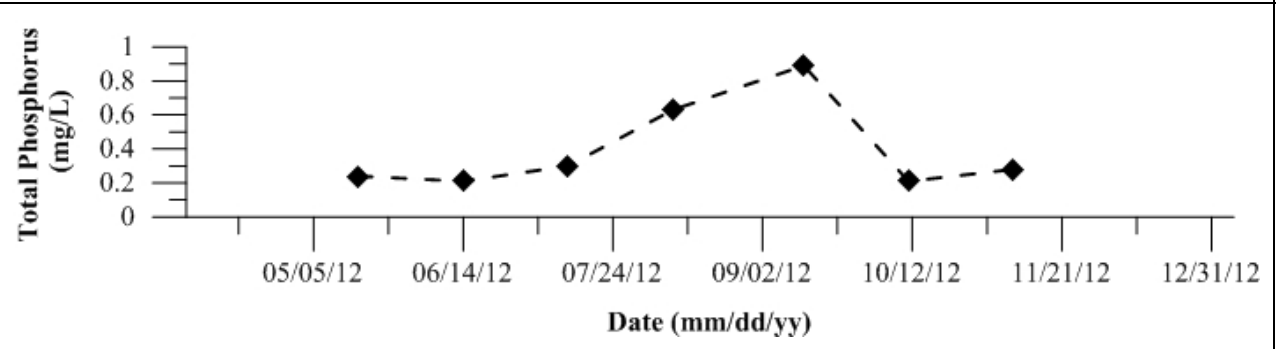


Figure 1584: Total phosphorus as phosphate for Site 402 Light 18 (Node 96). Data collected in 2012.

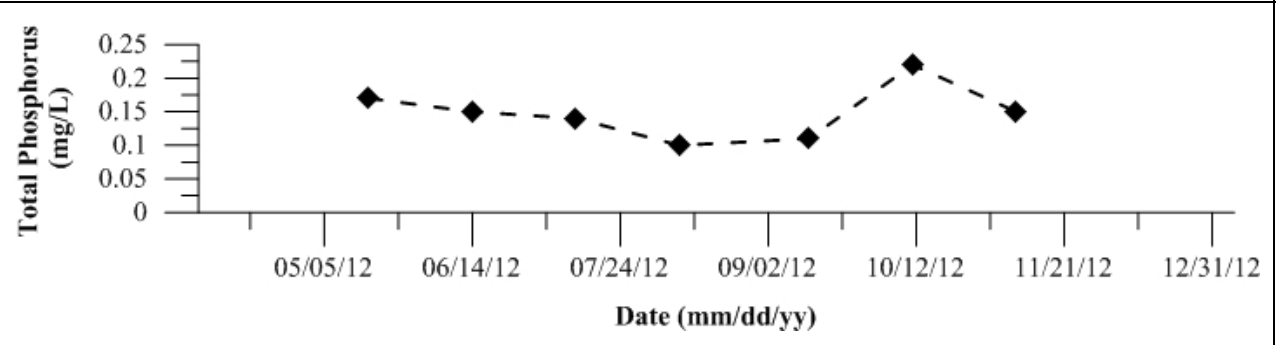


Figure 1585: Total phosphorus as phosphate for Site 405 Calaveras River. Data collected in 2012.

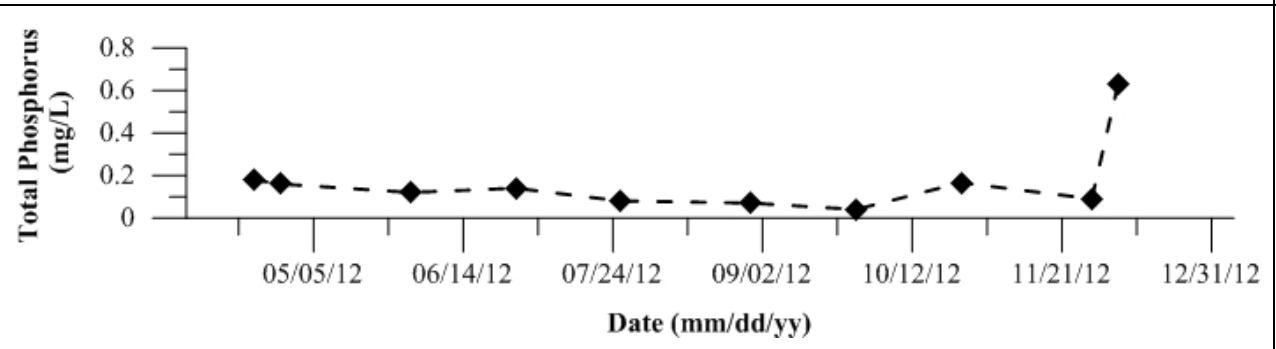


Figure 1586: Total phosphorus as phosphate for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

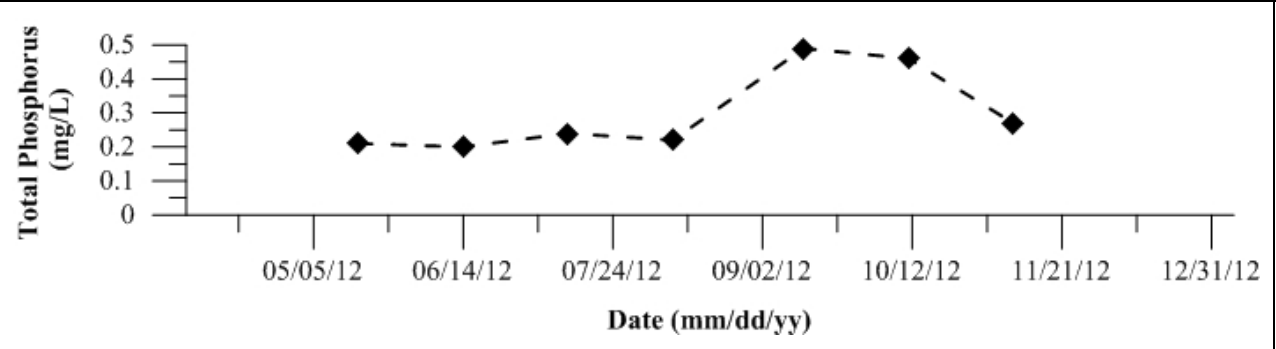


Figure 1587: Total phosphorus as phosphate for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

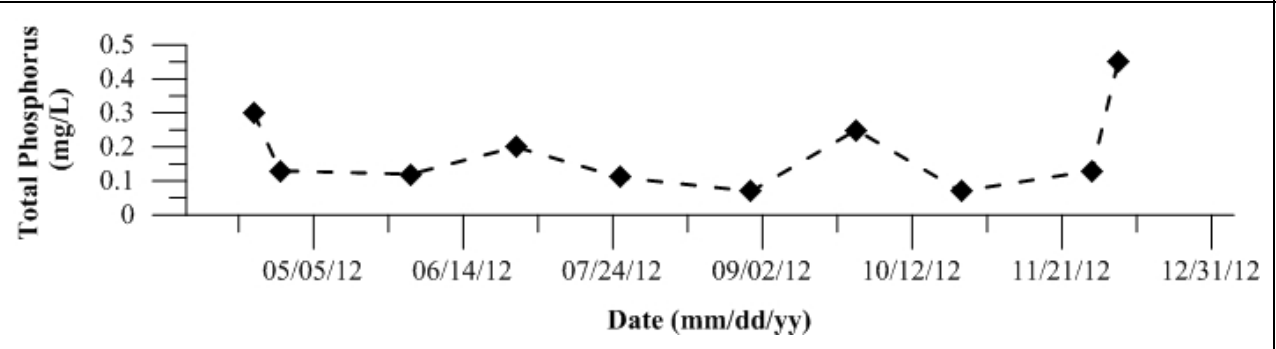


Figure 1588: Total phosphorus as phosphate for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

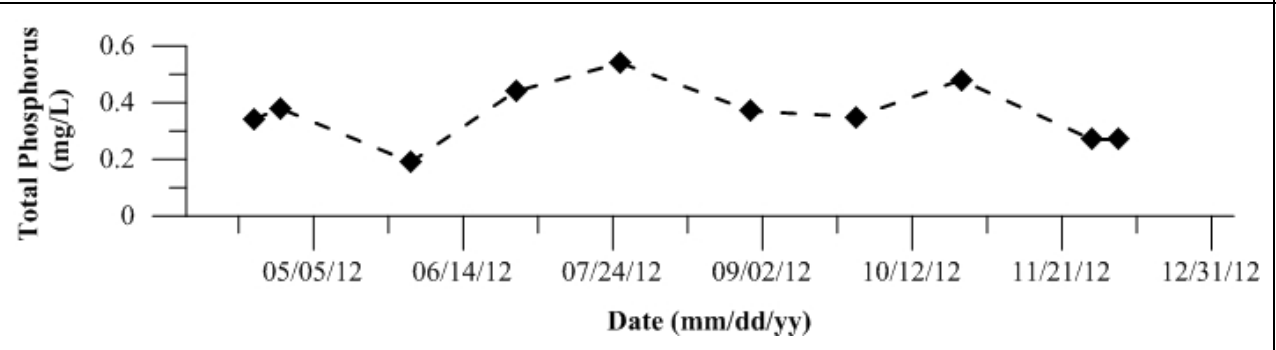


Figure 1589: Total phosphorus as phosphate for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

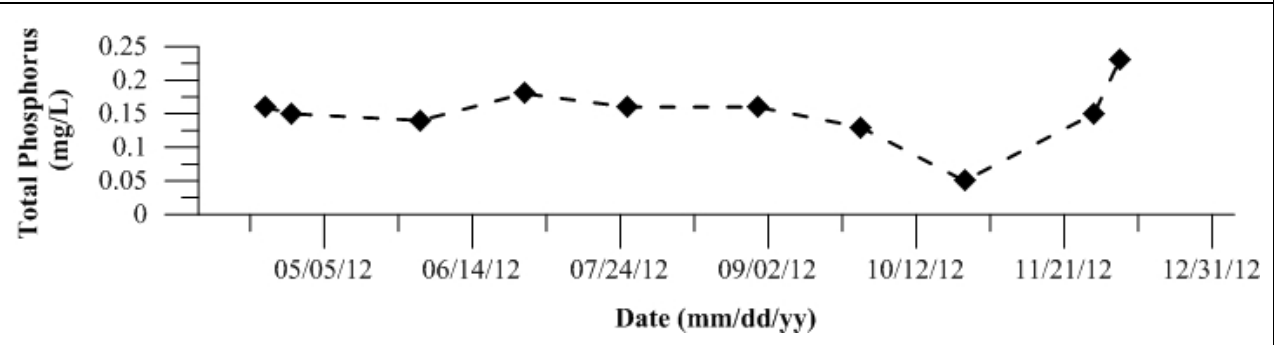


Figure 1590: Total phosphorus as phosphate for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

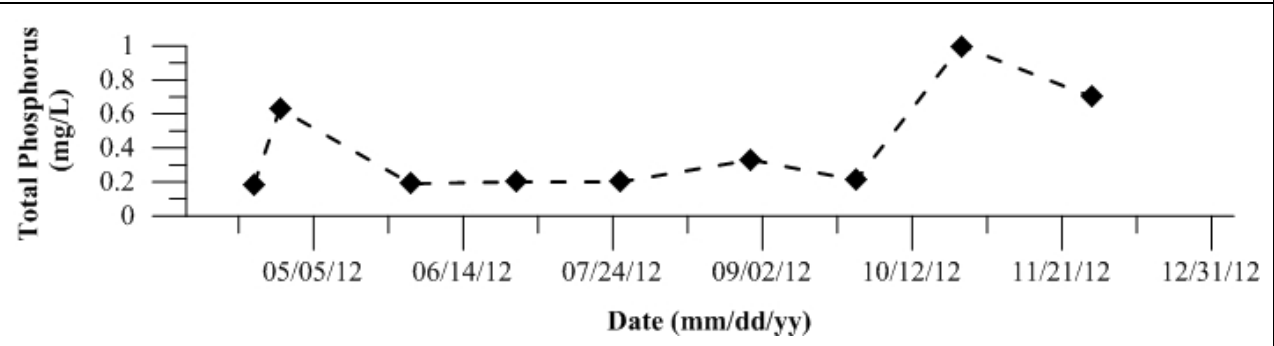


Figure 1591: Total phosphorus as phosphate for Site 424 14mi Slough. Data collected in 2012.

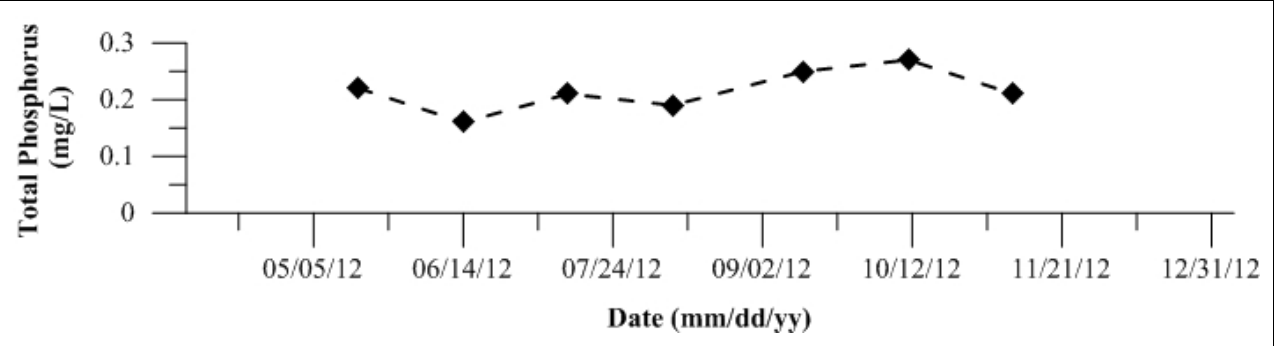


Figure 1592: Total phosphorus as phosphate for Site 425 Turner Cut. Data collected in 2012.

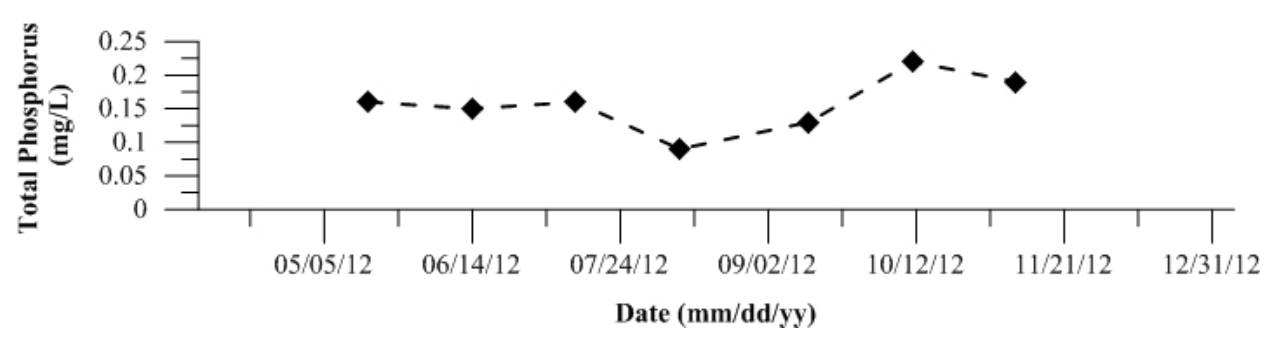


Figure 1593: Total phosphorus as phosphate for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

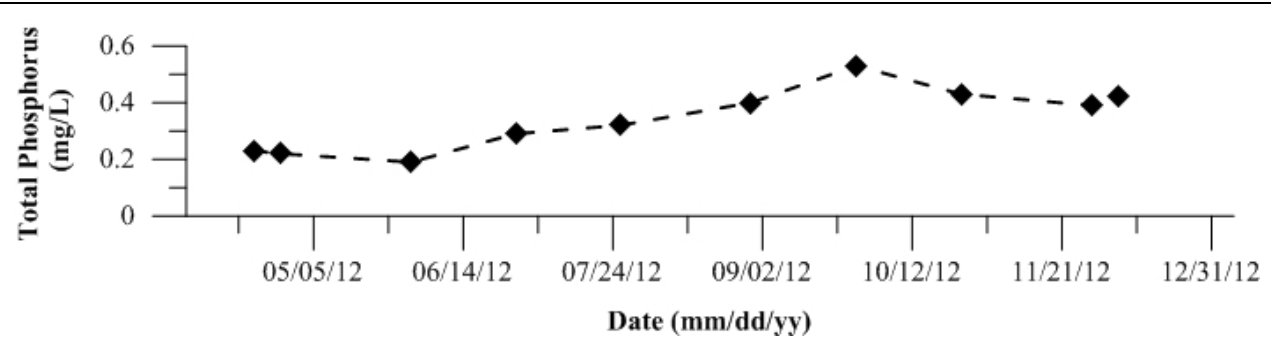


Figure 1594: Total phosphorus as phosphate for Site 427 RM 39 Near Louis Park. Data collected in 2012.

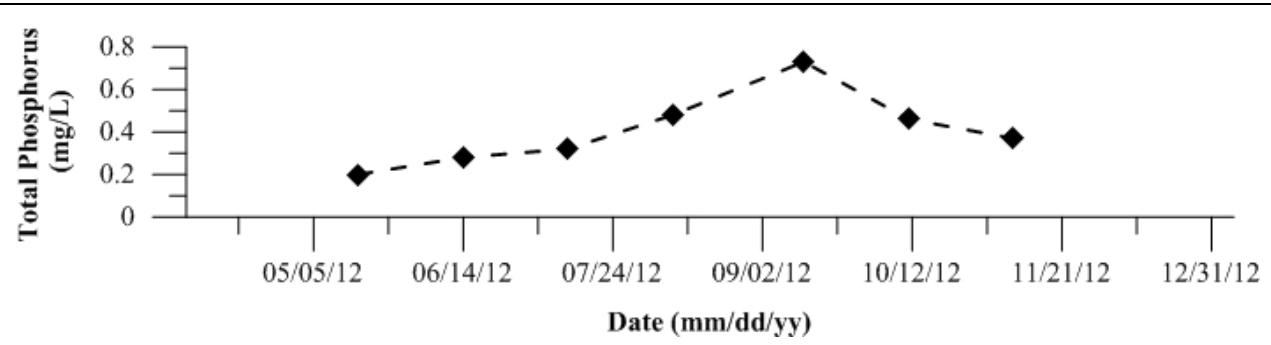


Figure 1595: Total phosphorus as phosphate for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

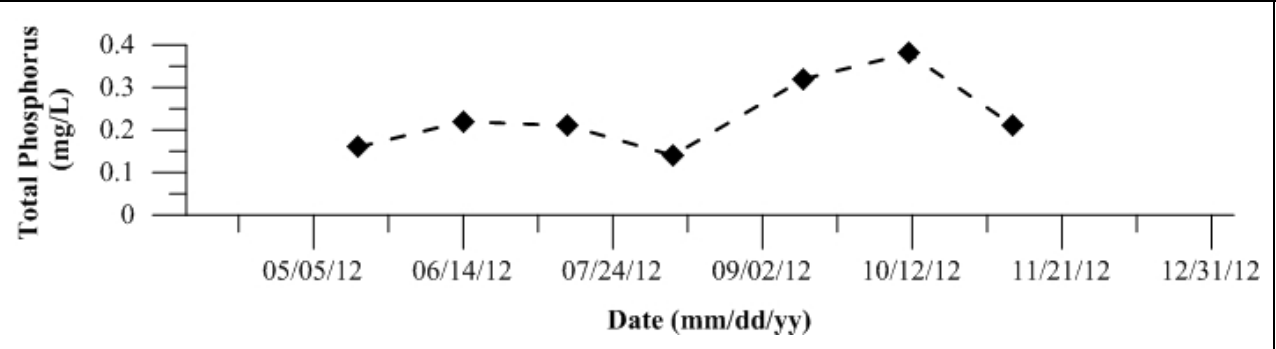
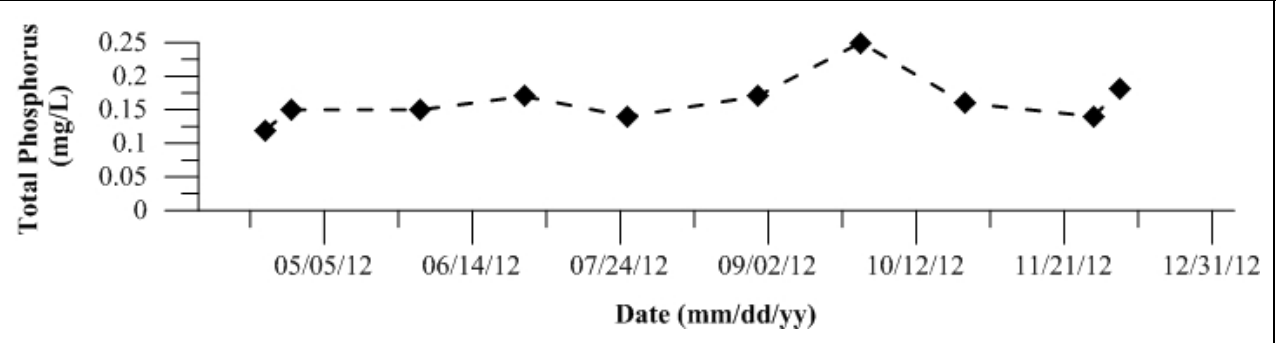


Figure 1596: Total phosphorus as phosphate for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1597-1622: Temporal plots of Biological Oxygen Demand (BOD) by Site ID

Figure 1597: Biological Oxygen Demand (BOD) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

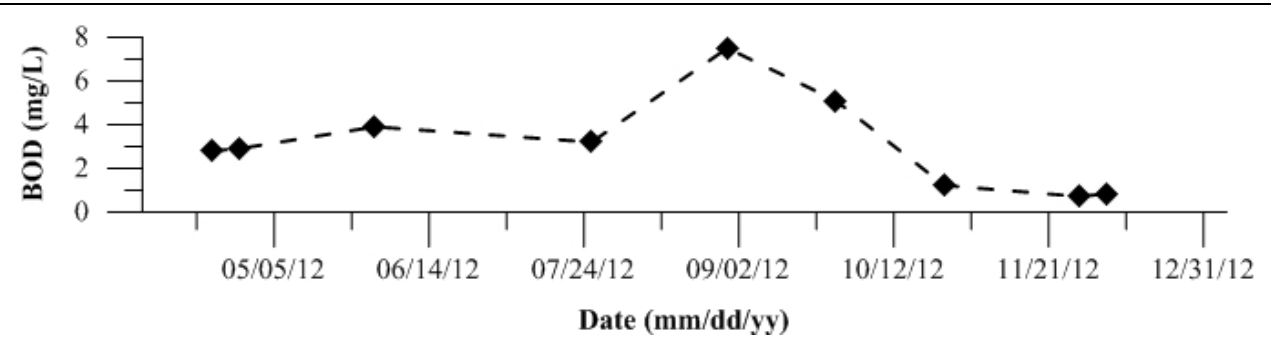


Figure 1598: Biological Oxygen Demand (BOD) for Site 4 SJR at Mossdale. Data collected in 2012.

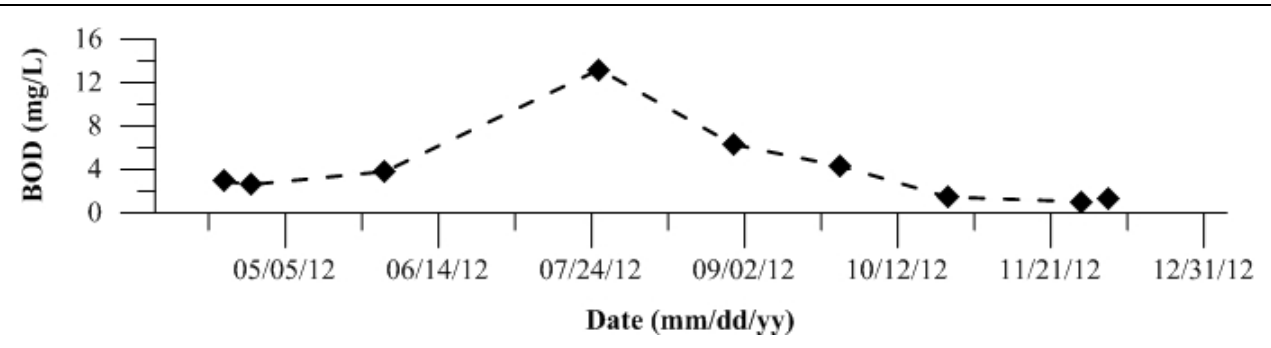


Figure 1599: Biological Oxygen Demand (BOD) for Site 7 SJR at Patterson. Data collected in 2012.

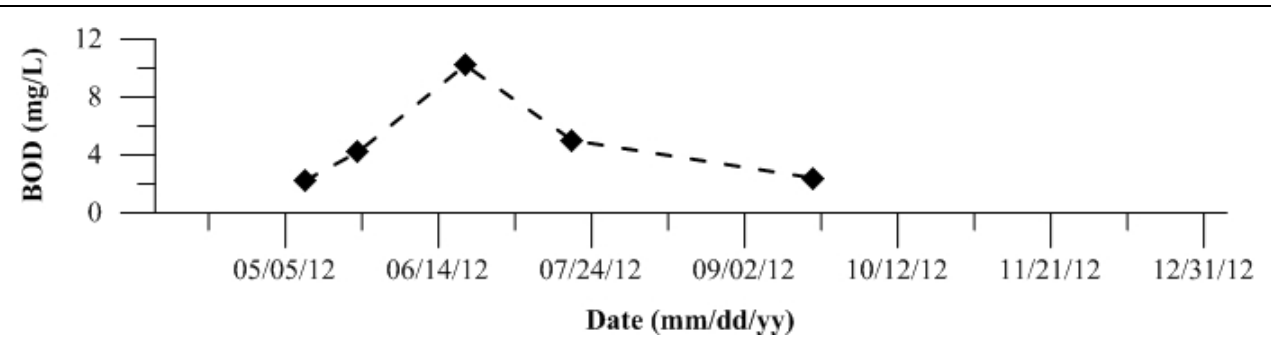


Figure 1600: Biological Oxygen Demand (BOD) for Site 10 SJR at Lander Avenue. Data collected in 2012.

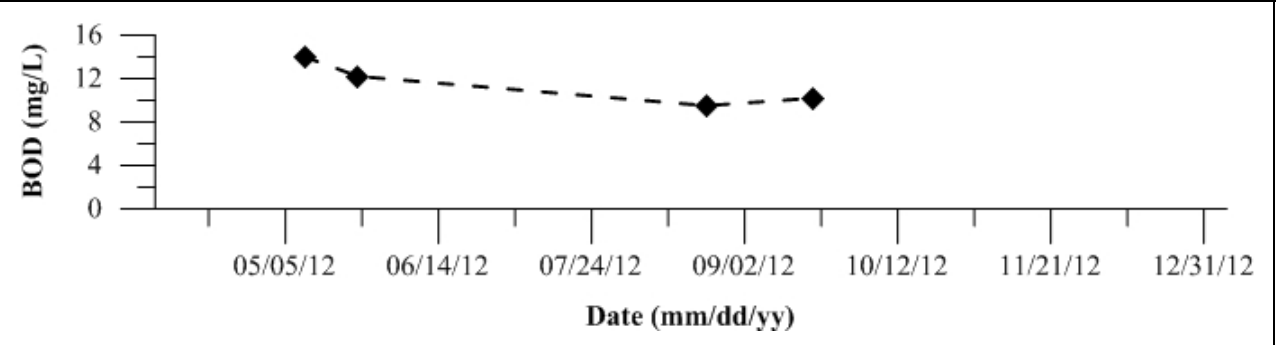


Figure 1601: Biological Oxygen Demand (BOD) for Site 11 French Camp Slough. Data collected in 2012.

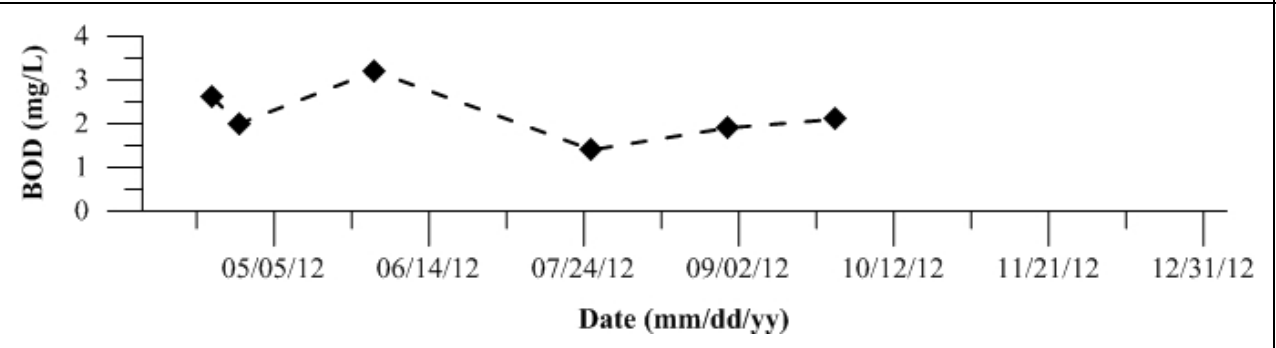


Figure 1602: Biological Oxygen Demand (BOD) for Site 16 Merced River at River Road. Data collected in 2012.

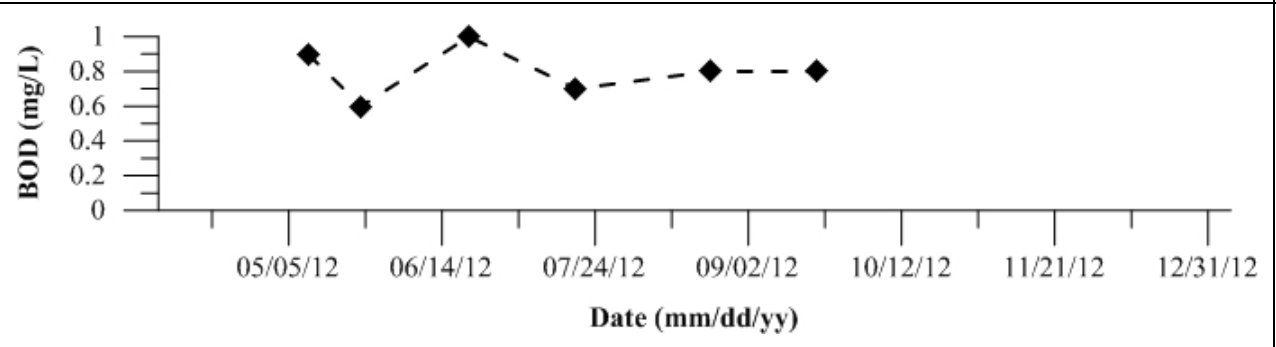


Figure 1603: Biological Oxygen Demand (BOD) for Site 18 Mud Slough near Gustine. Data collected in 2012.

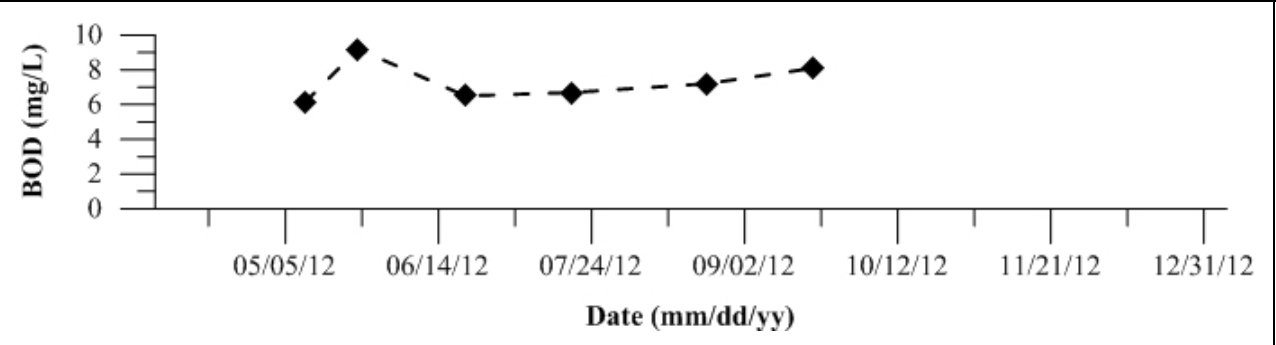


Figure 1604: Biological Oxygen Demand (BOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

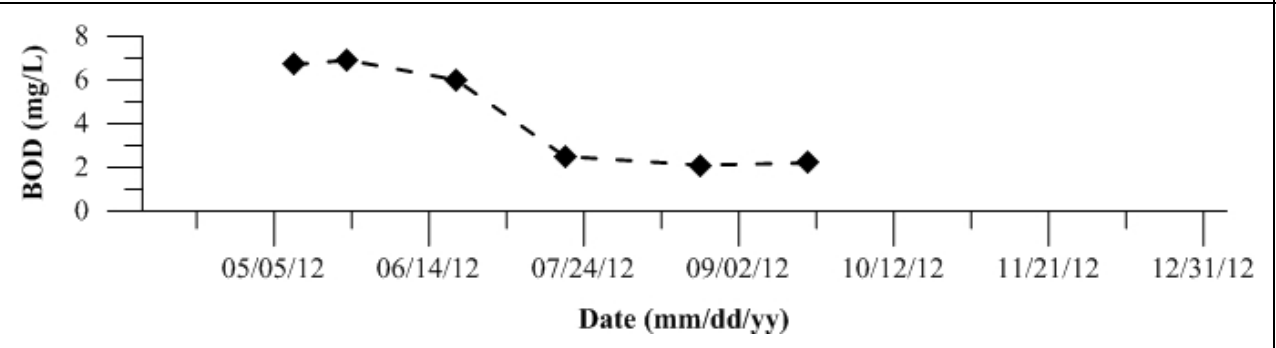


Figure 1605: Biological Oxygen Demand (BOD) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

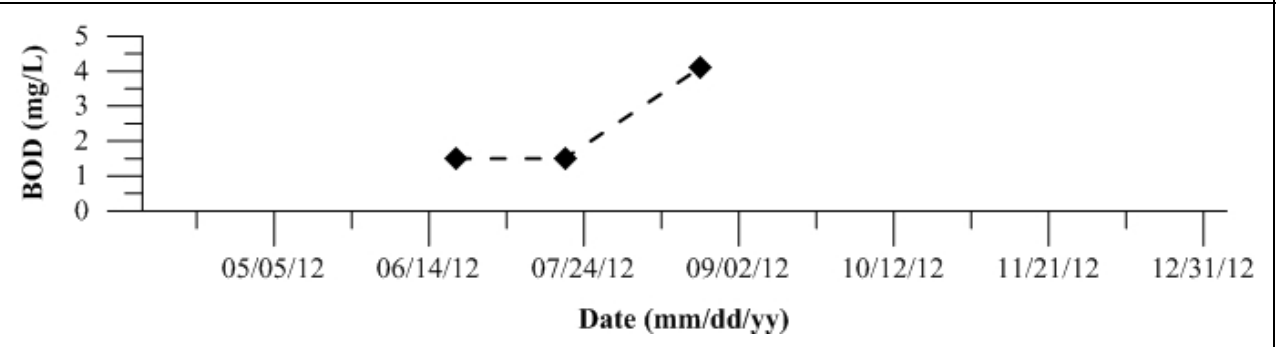


Figure 1606: Biological Oxygen Demand (BOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

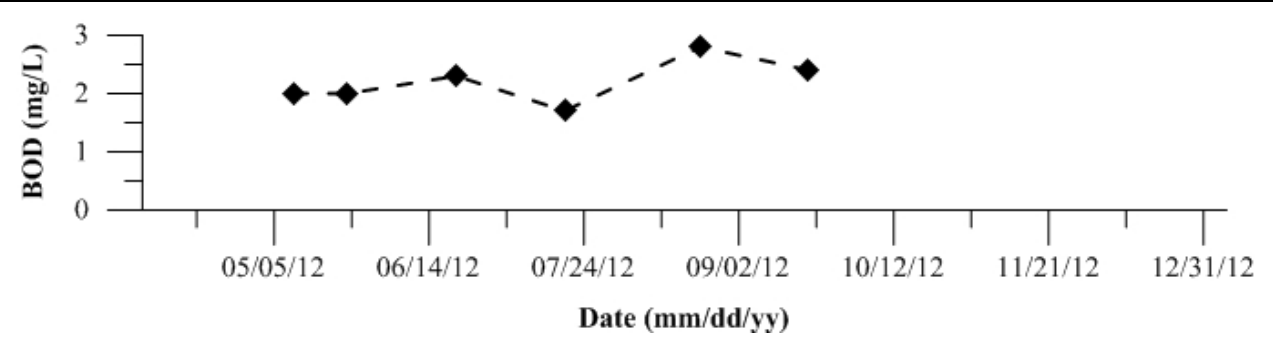


Figure 1607: Biological Oxygen Demand (BOD) for Site 34 Ingram Creek. Data collected in 2012.

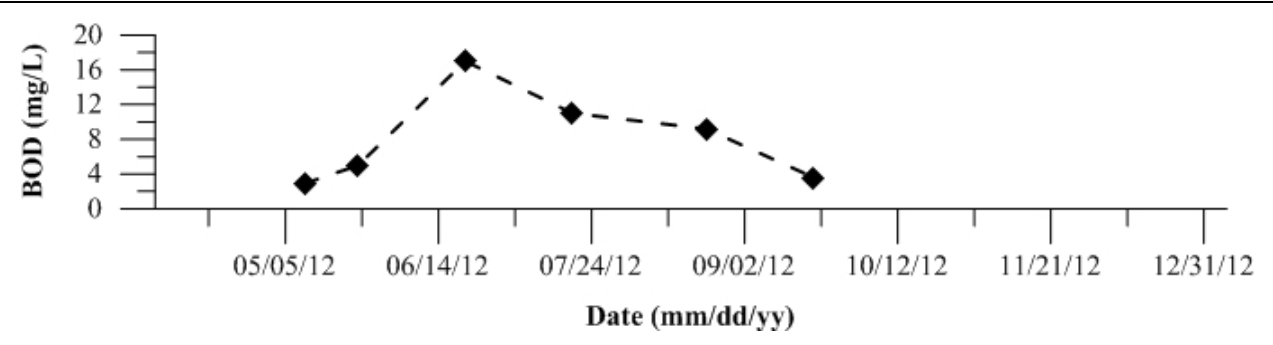


Figure 1608: Biological Oxygen Demand (BOD) for Site 44 San Luis Drain End. Data collected in 2012.

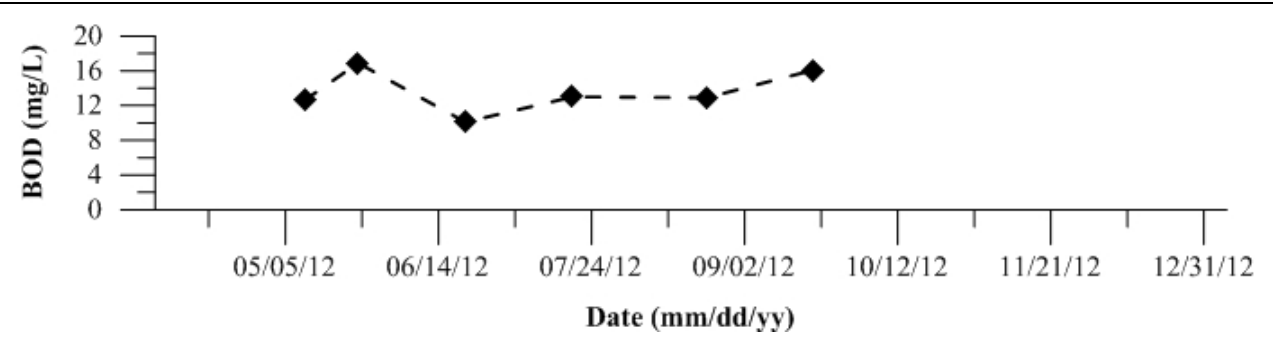


Figure 1609: Biological Oxygen Demand (BOD) for Site 127 SJR at Brant Bridge. Data collected in 2012.

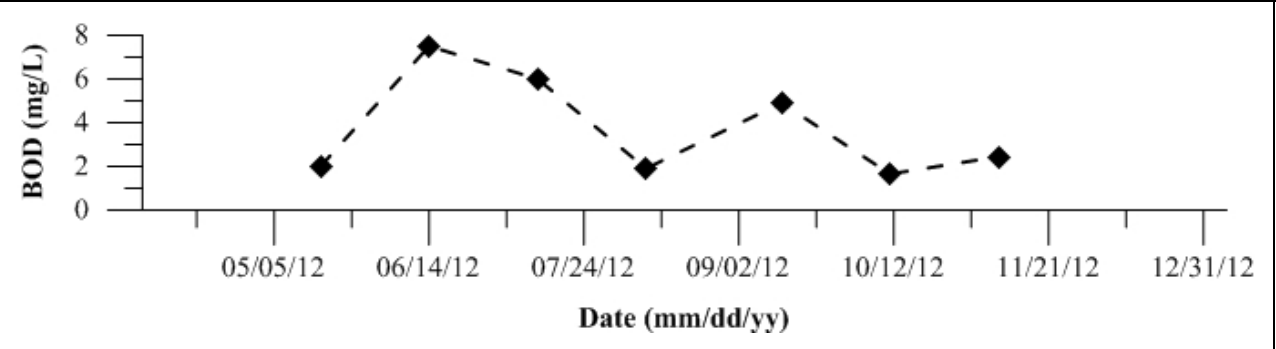


Figure 1610: Biological Oxygen Demand (BOD) for Site 402 Light 18 (Node 96). Data collected in 2012.

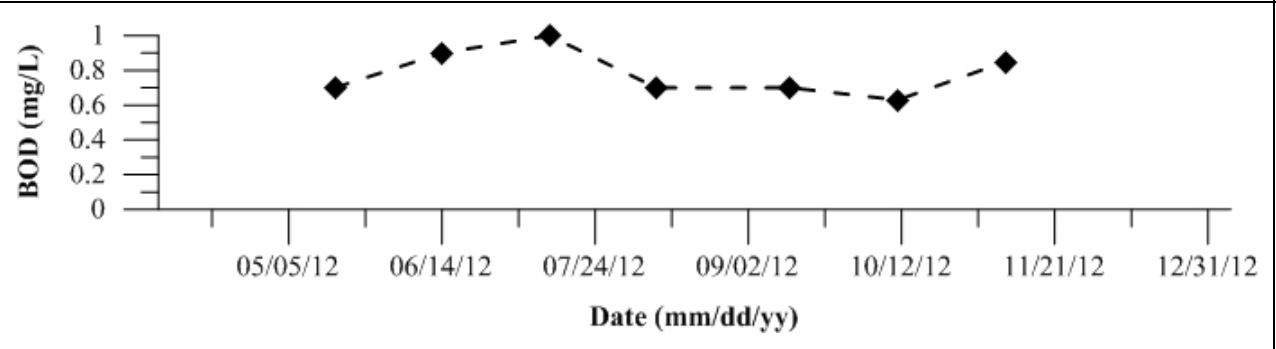


Figure 1611: Biological Oxygen Demand (BOD) for Site 405 Calaveras River. Data collected in 2012.

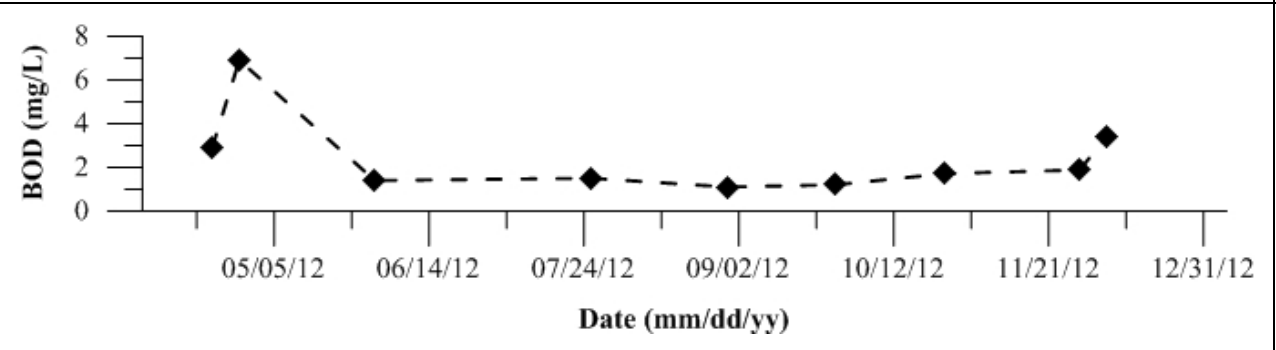


Figure 1612: Biological Oxygen Demand (BOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

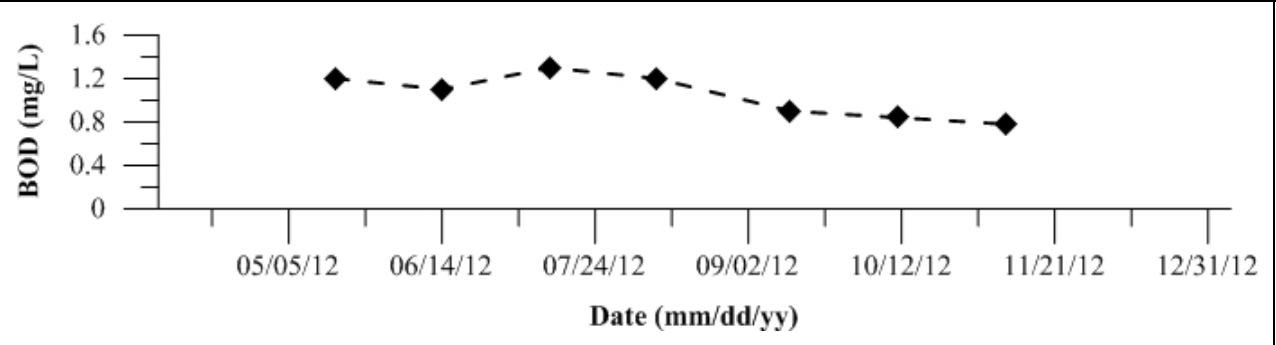


Figure 1613: Biological Oxygen Demand (BOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

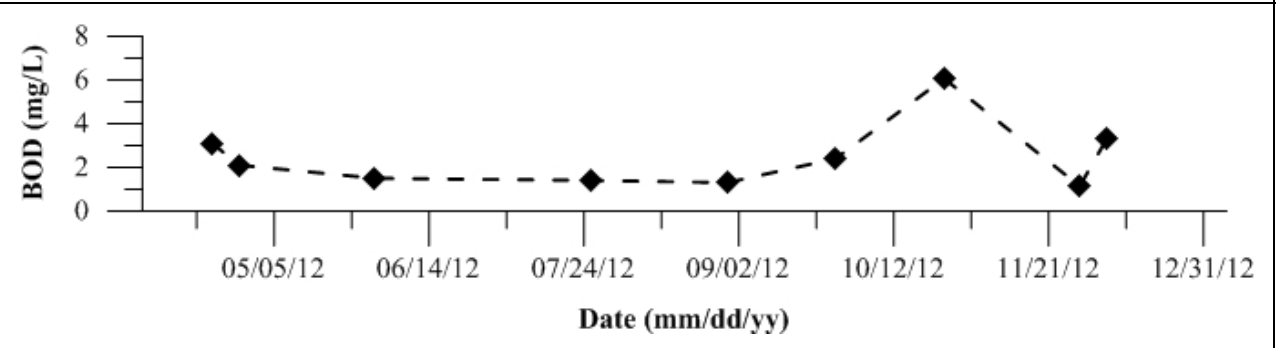


Figure 1614: Biological Oxygen Demand (BOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

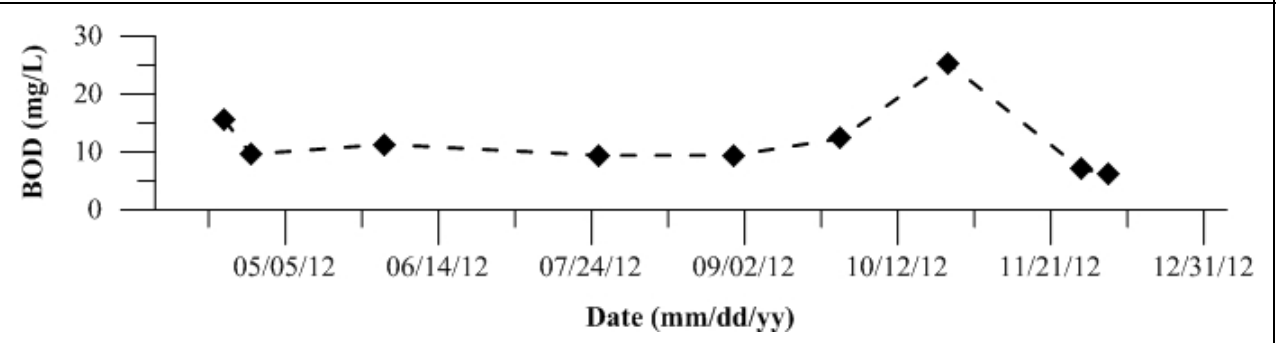


Figure 1615: Biological Oxygen Demand (BOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

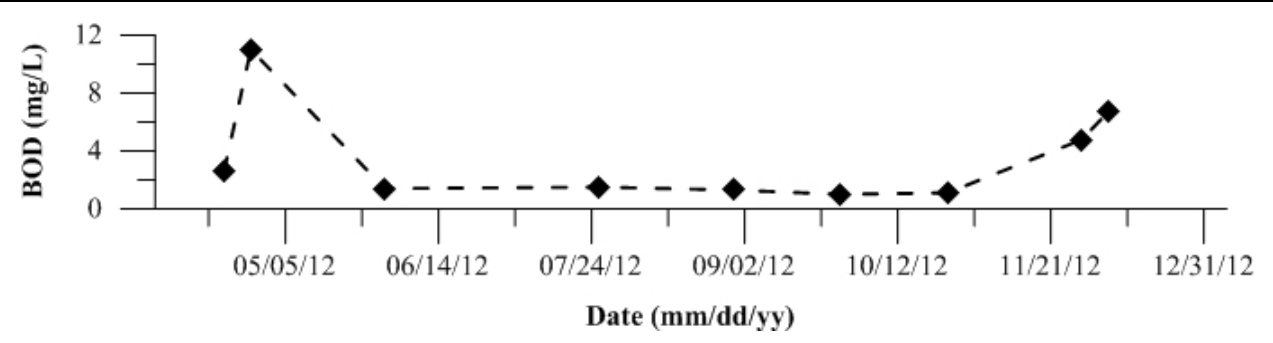


Figure 1616: Biological Oxygen Demand (BOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

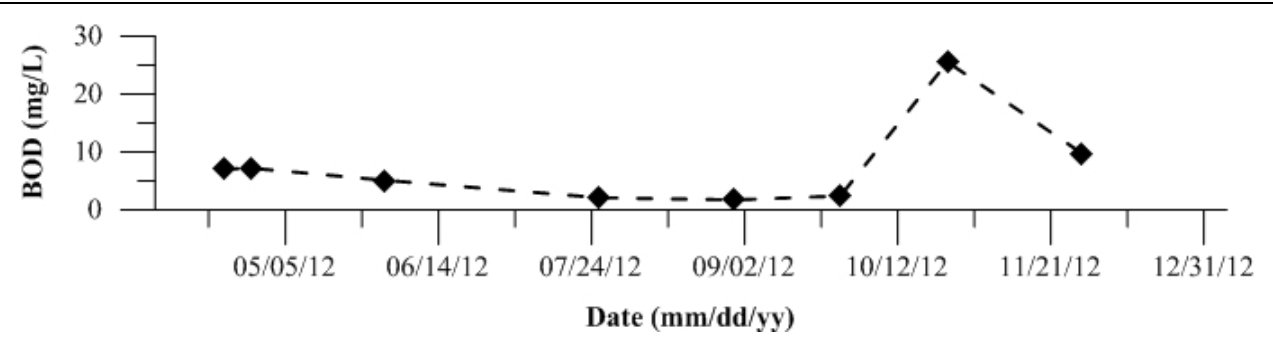


Figure 1617: Biological Oxygen Demand (BOD) for Site 424 14mi Slough. Data collected in 2012.

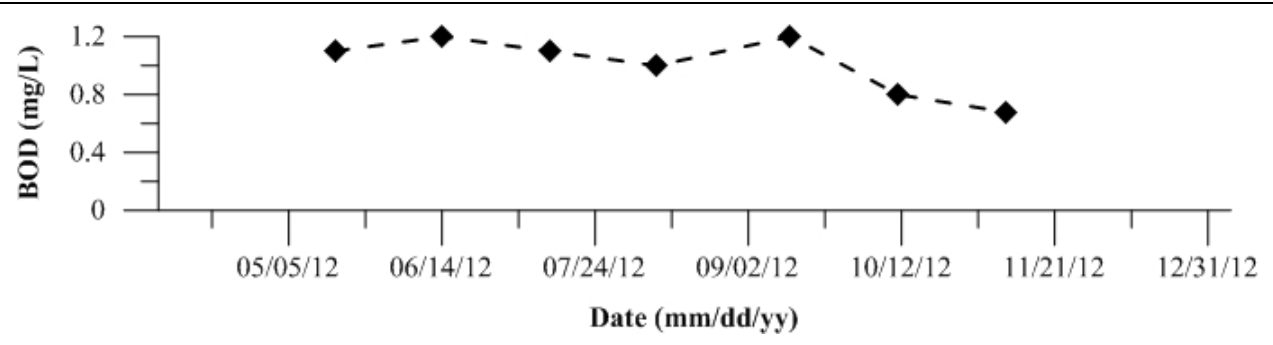


Figure 1618: Biological Oxygen Demand (BOD) for Site 425 Turner Cut. Data collected in 2012.

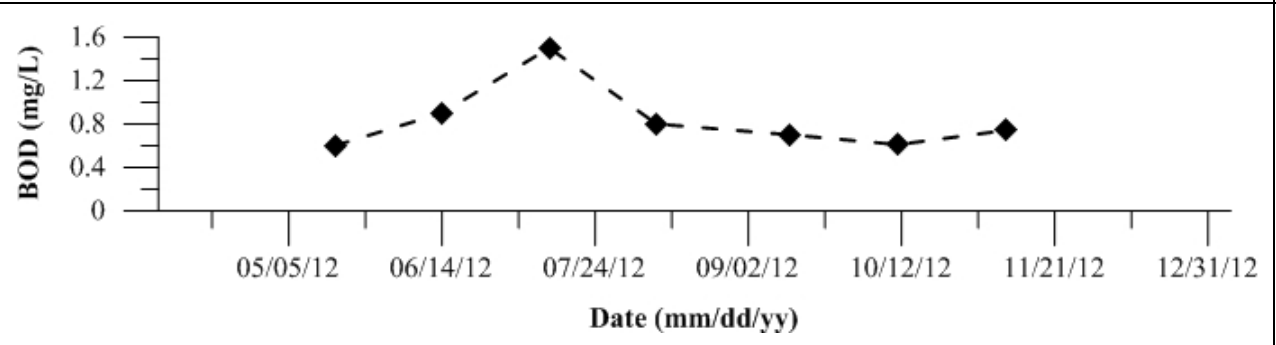


Figure 1619: Biological Oxygen Demand (BOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

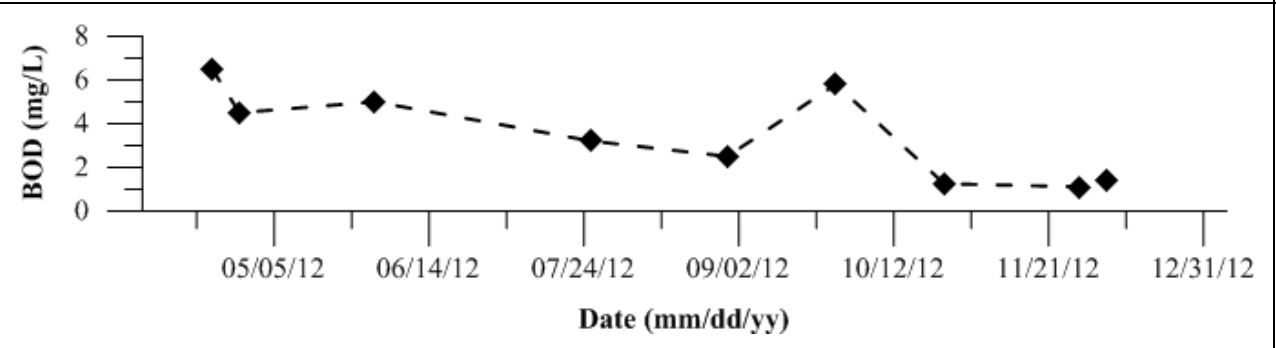


Figure 1620: Biological Oxygen Demand (BOD) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

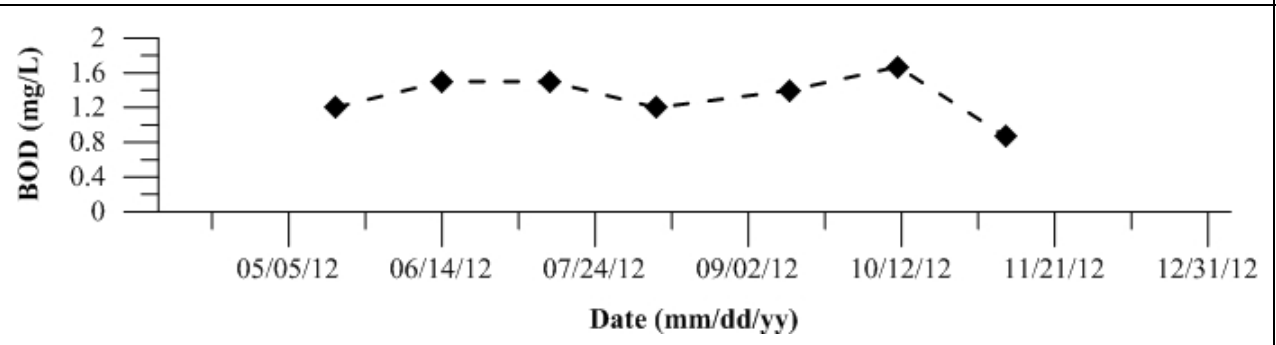


Figure 1621: Biological Oxygen Demand (BOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

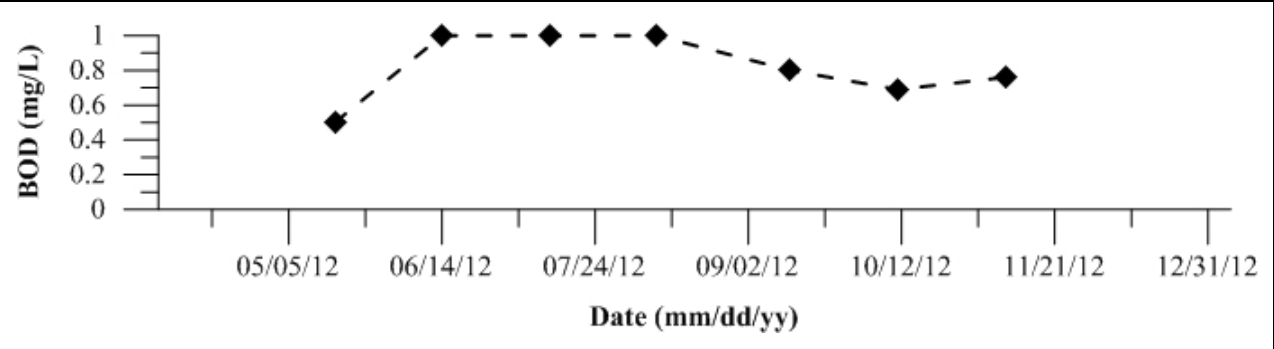
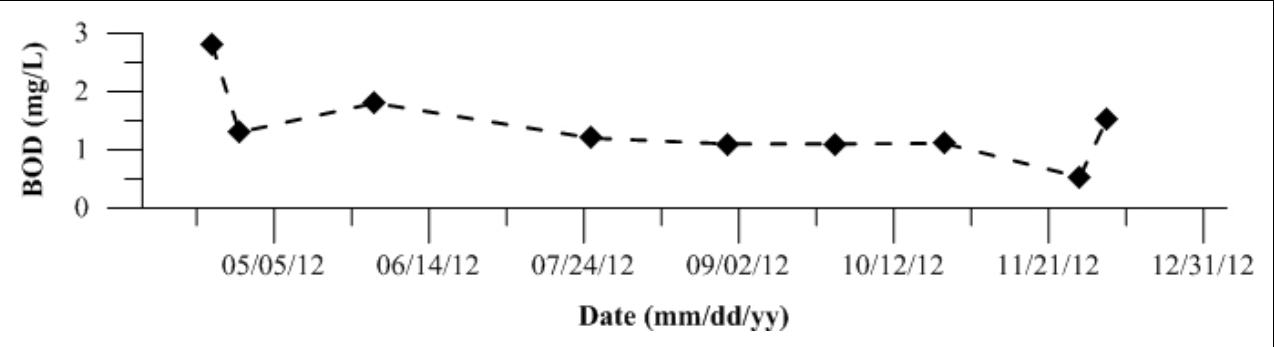


Figure 1622: Biological Oxygen Demand (BOD) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1623-1648: Temporal plots of Carbonaceous Biochemical Oxygen Demand (CBOD) by Site ID

Figure 1623: Carbonaceous biochemical oxygen demand (CBOD) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

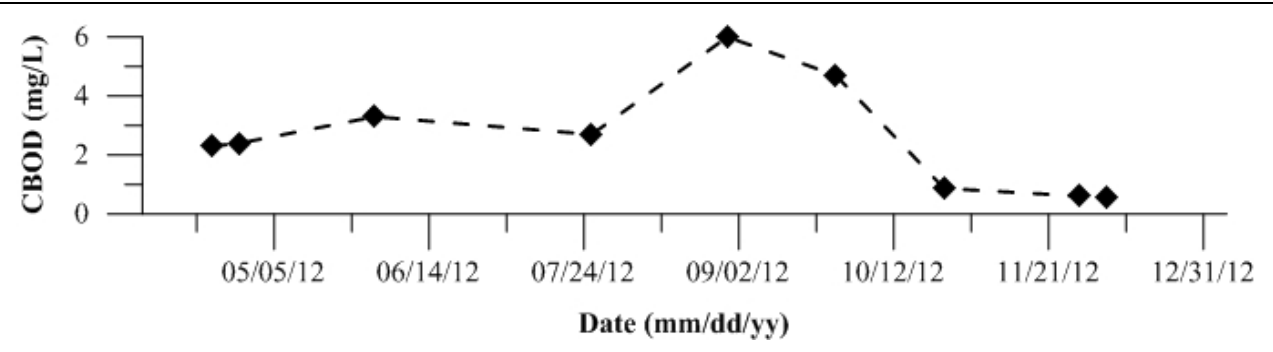


Figure 1624: Carbonaceous biochemical oxygen demand (CBOD) for Site 4 SJR at Mossdale. Data collected in 2012.

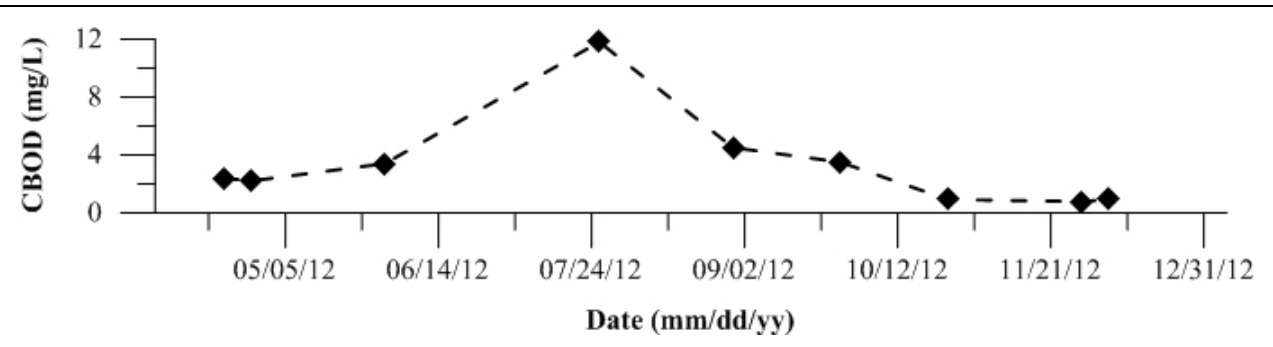


Figure 1625: Carbonaceous biochemical oxygen demand (CBOD) for Site 7 SJR at Patterson. Data collected in 2012.

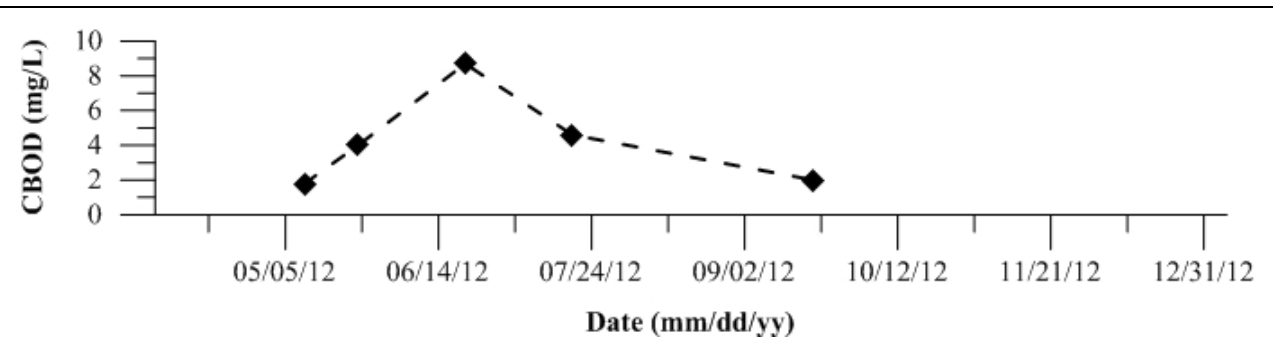


Figure 1626: Carbonaceous biochemical oxygen demand (CBOD) for Site 10 SJR at Lander Avenue. Data collected in 2012.

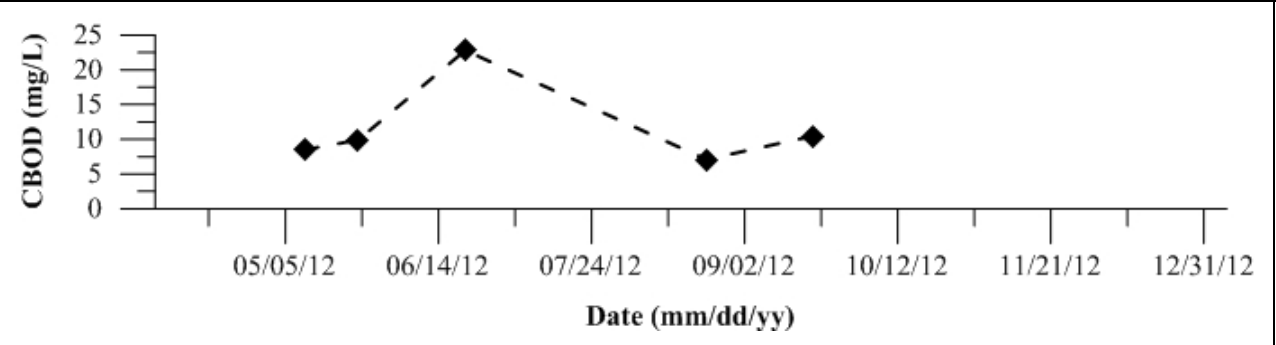


Figure 1627: Carbonaceous biochemical oxygen demand (CBOD) for Site 11 French Camp Slough. Data collected in 2012.

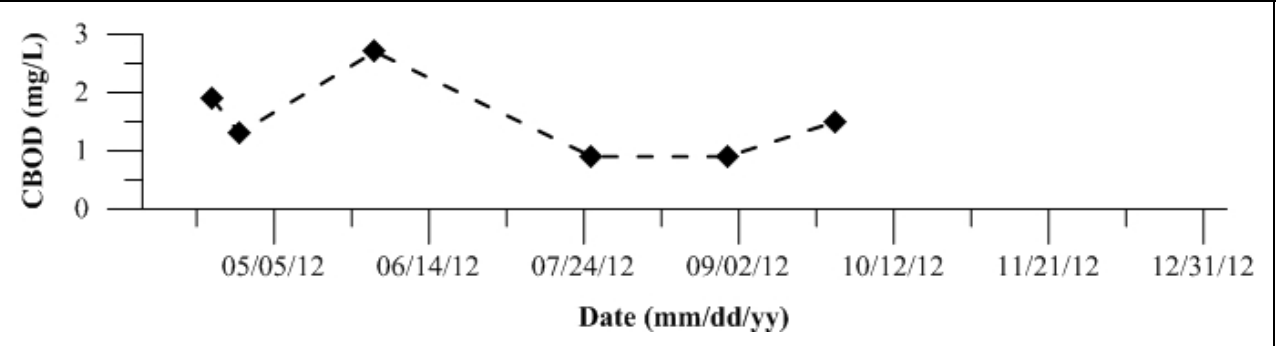


Figure 1628: Carbonaceous biochemical oxygen demand (CBOD) for Site 16 Merced River at River Road. Data collected in 2012.

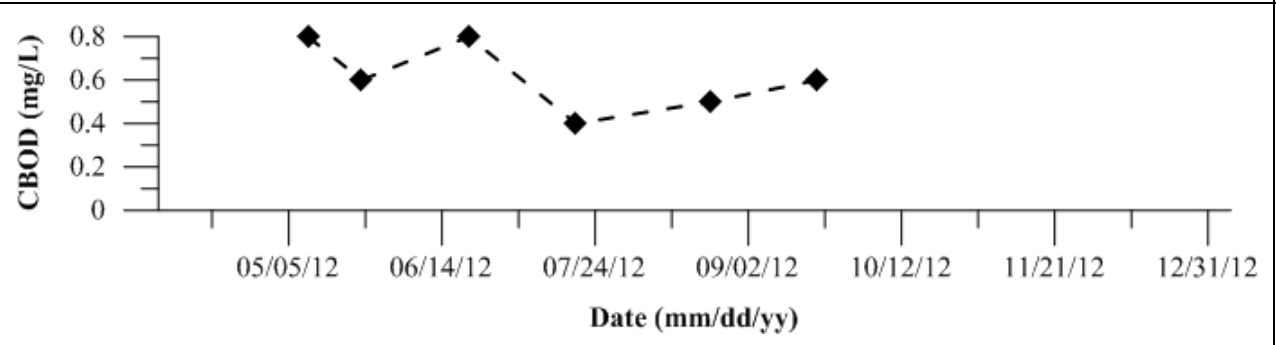


Figure 1629: Carbonaceous biochemical oxygen demand (CBOD) for Site 18 Mud Slough near Gustine. Data collected in 2012.

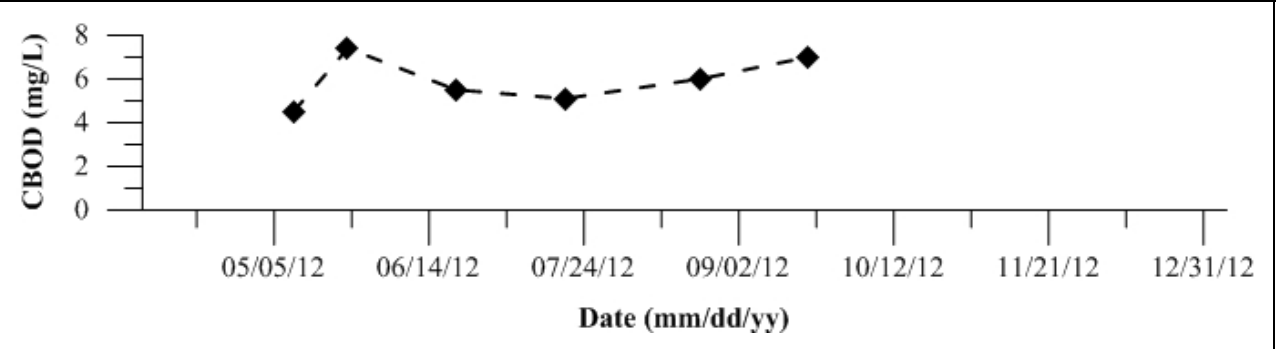


Figure 1630: Carbonaceous biochemical oxygen demand (CBOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

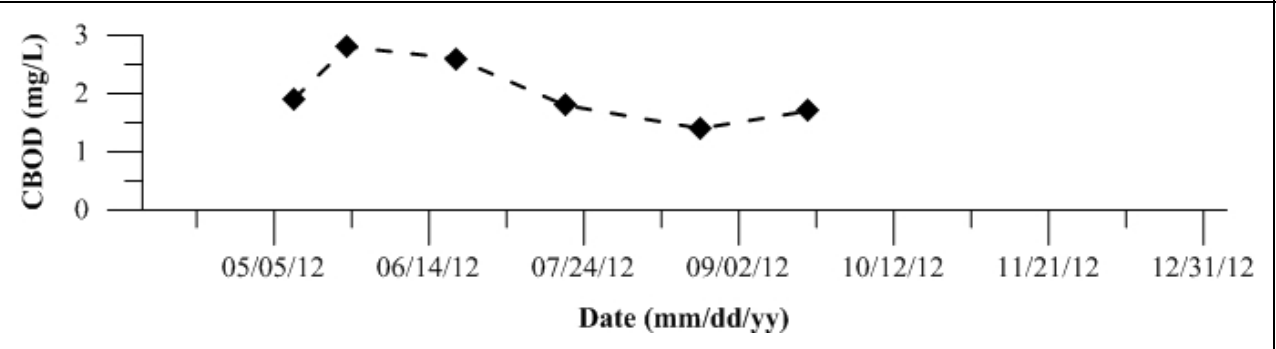


Figure 1631: Carbonaceous biochemical oxygen demand (CBOD) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

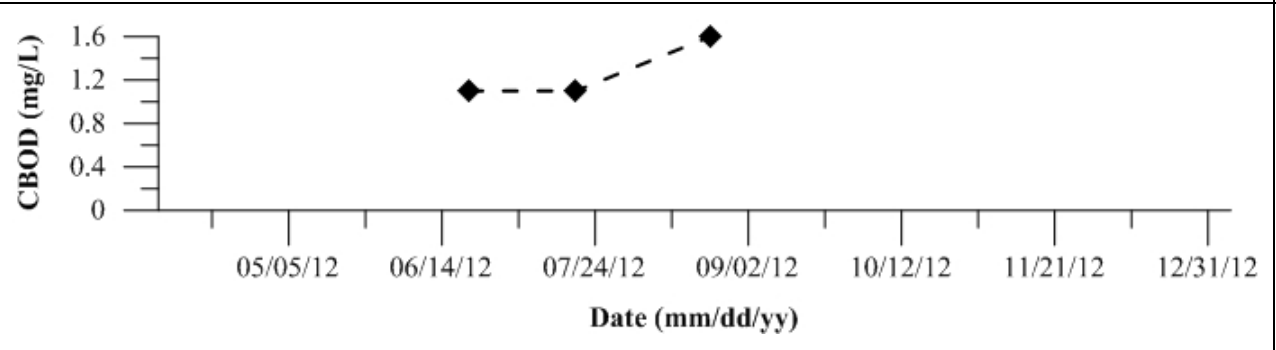


Figure 1632: Carbonaceous biochemical oxygen demand (CBOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

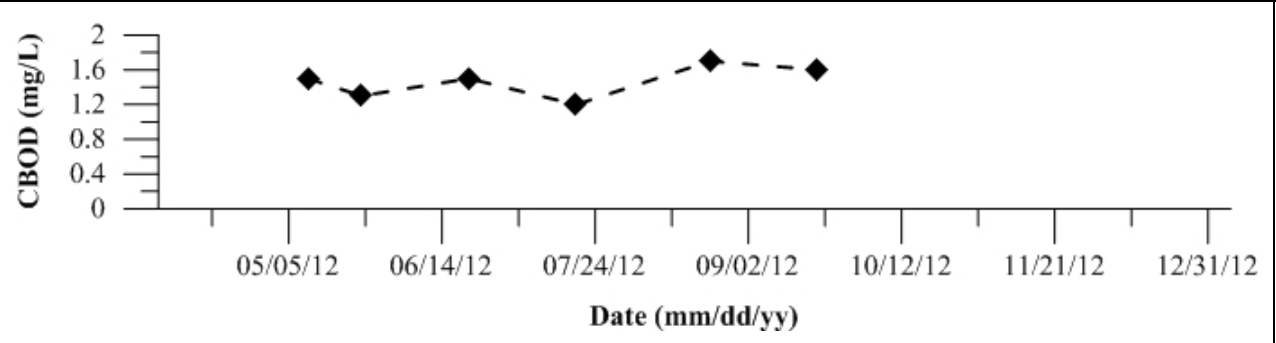


Figure 1633: Carbonaceous biochemical oxygen demand (CBOD) for Site 34 Ingram Creek. Data collected in 2012.

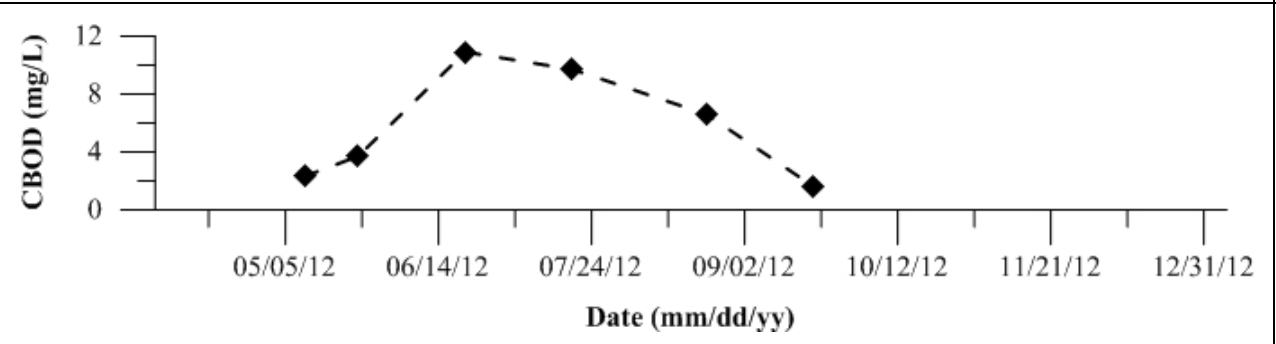


Figure 1634: Carbonaceous biochemical oxygen demand (CBOD) for Site 44 San Luis Drain End. Data collected in 2012.

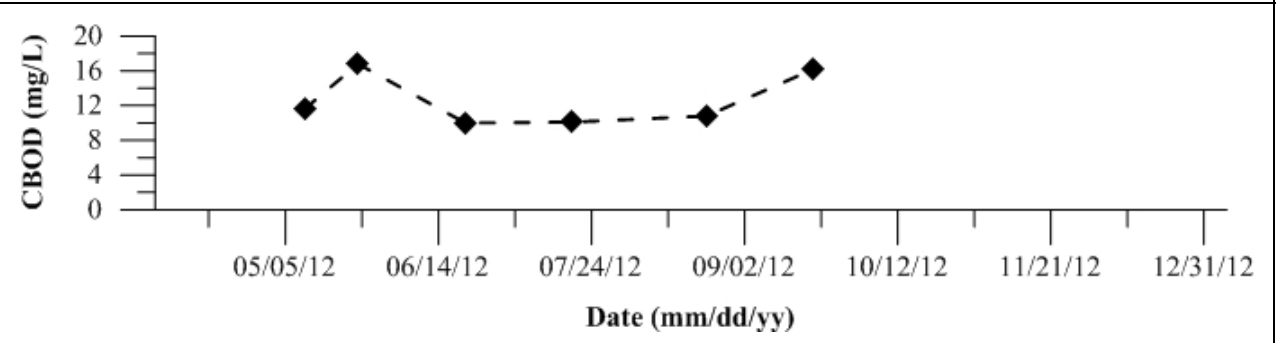


Figure 1635: Carbonaceous biochemical oxygen demand (CBOD) for Site 127 SJR at Brant Bridge. Data collected in 2012.

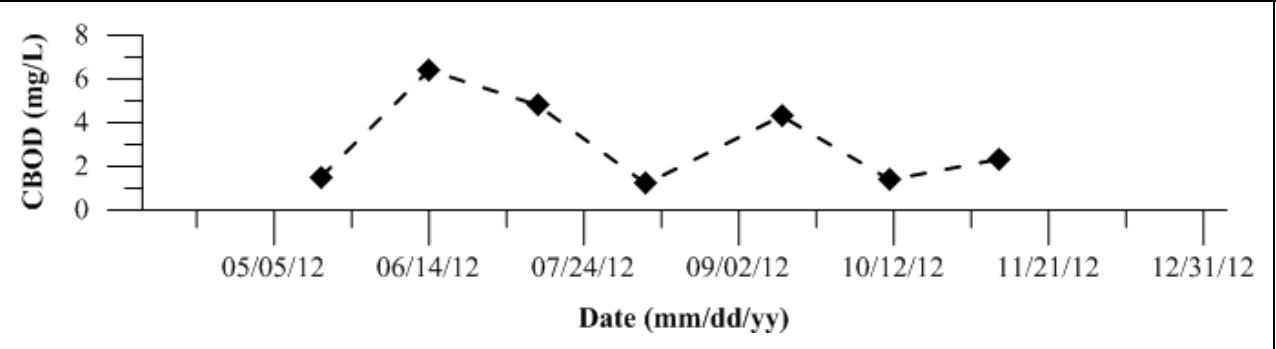


Figure 1636: Carbonaceous biochemical oxygen demand (CBOD) for Site 402 Light 18 (Node 96). Data collected in 2012.

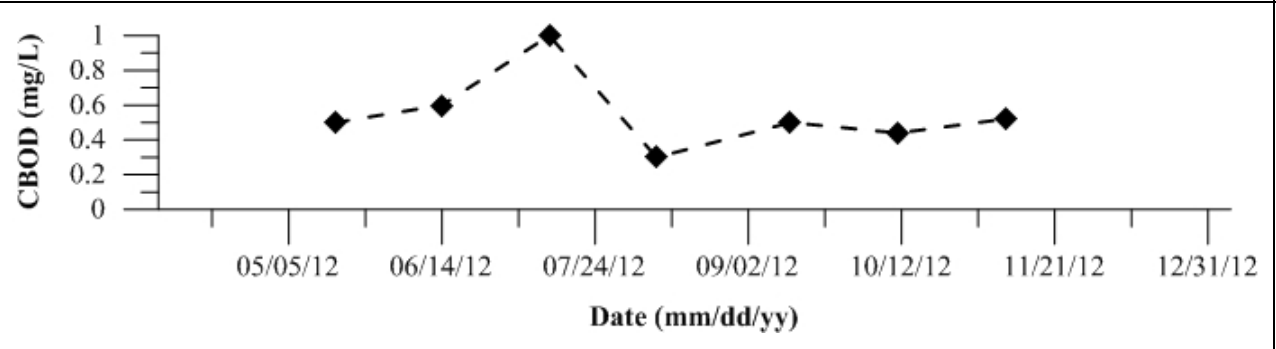


Figure 1637: Carbonaceous biochemical oxygen demand (CBOD) for Site 405 Calaveras River. Data collected in 2012.

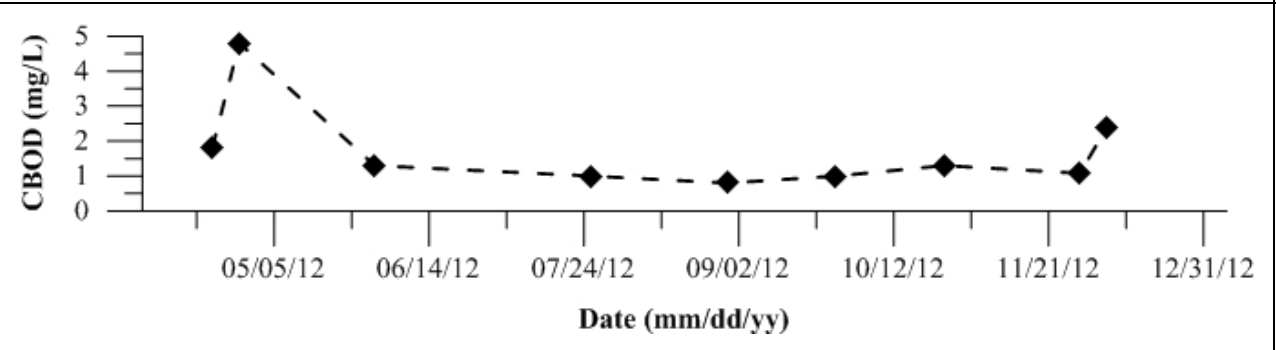


Figure 1638: Carbonaceous biochemical oxygen demand (CBOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

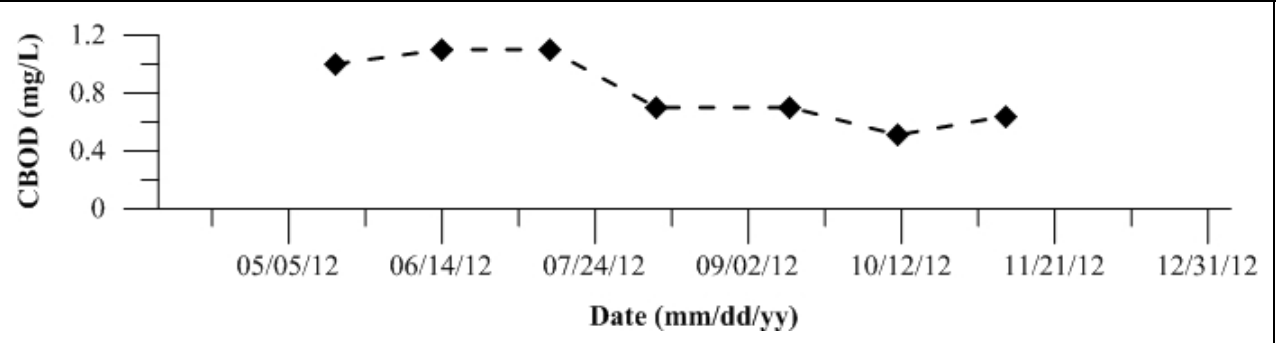


Figure 1639: Carbonaceous biochemical oxygen demand (CBOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

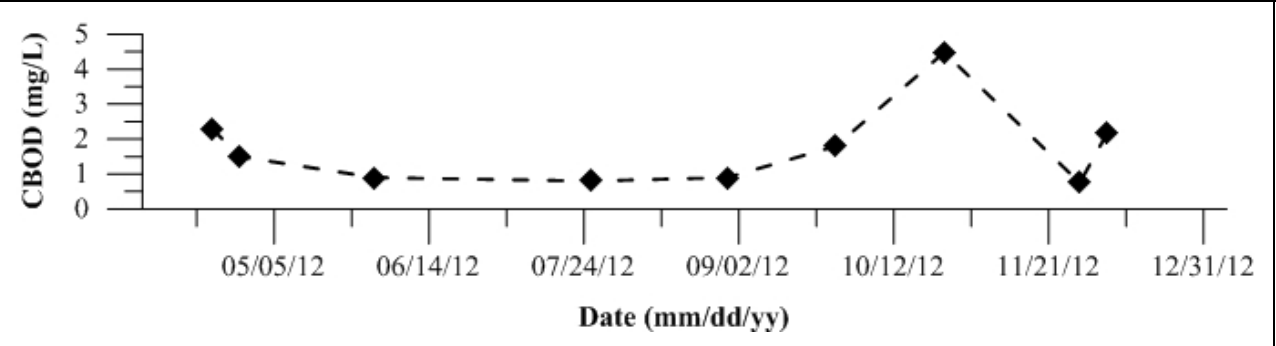


Figure 1640: Carbonaceous biochemical oxygen demand (CBOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

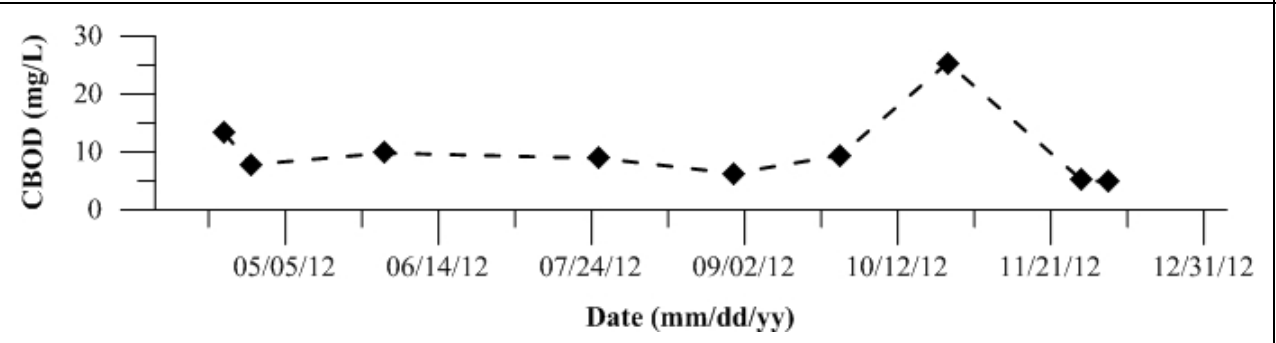


Figure 1641: Carbonaceous biochemical oxygen demand (CBOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

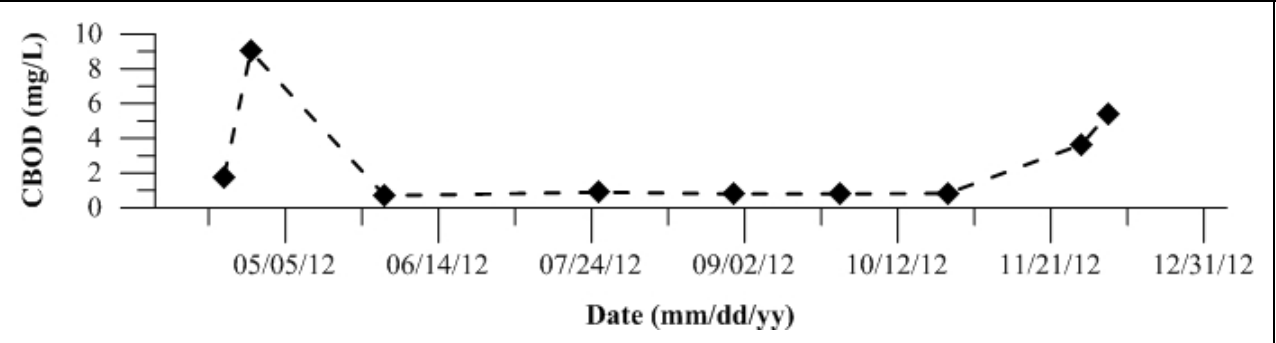


Figure 1642: Carbonaceous biochemical oxygen demand (CBOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

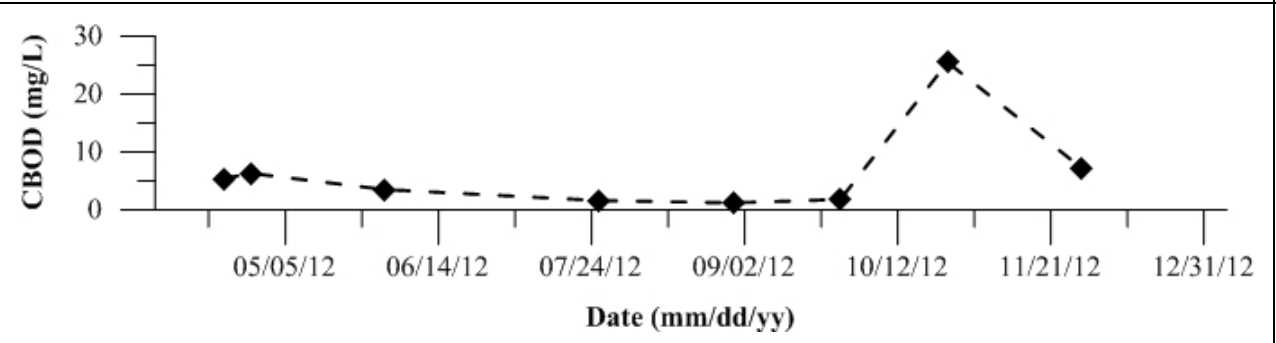


Figure 1643: Carbonaceous biochemical oxygen demand (CBOD) for Site 424 14mi Slough. Data collected in 2012.

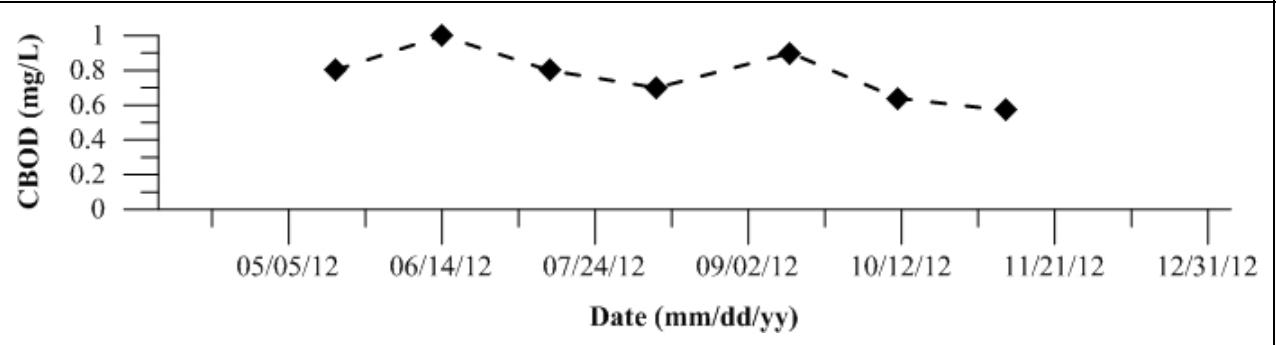


Figure 1644: Carbonaceous biochemical oxygen demand (CBOD) for Site 425 Turner Cut. Data collected in 2012.

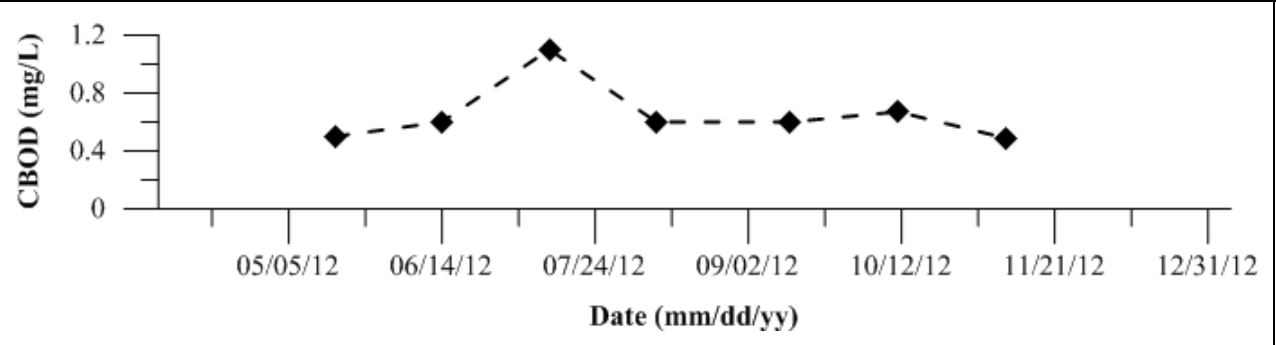


Figure 1645: Carbonaceous biochemical oxygen demand (CBOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

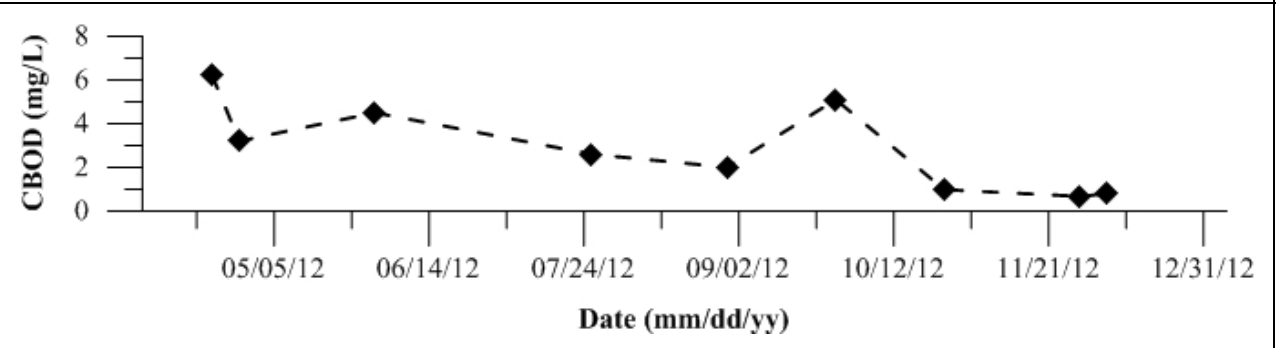


Figure 1646: Carbonaceous biochemical oxygen demand (CBOD) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

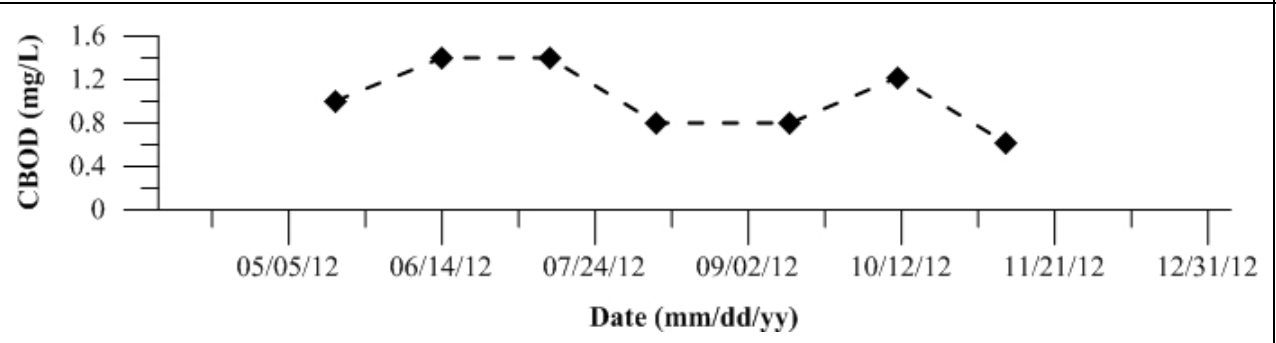


Figure 1647: Carbonaceous biochemical oxygen demand (CBOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

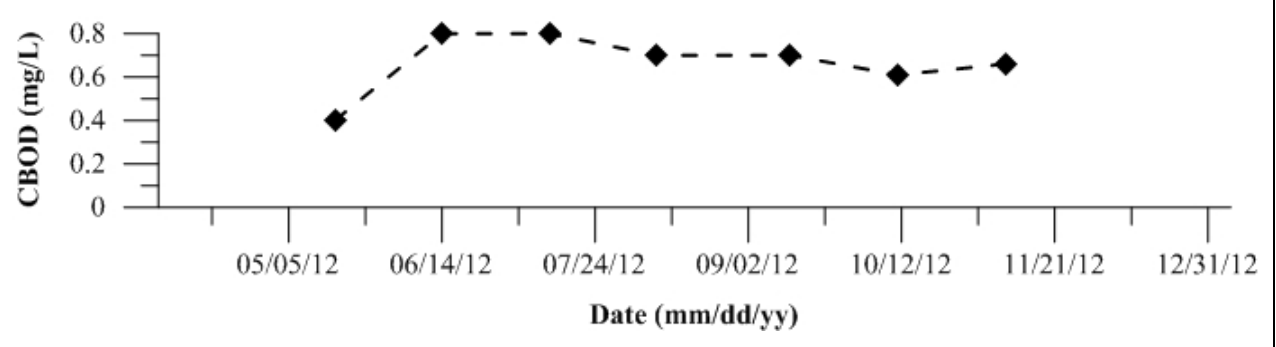
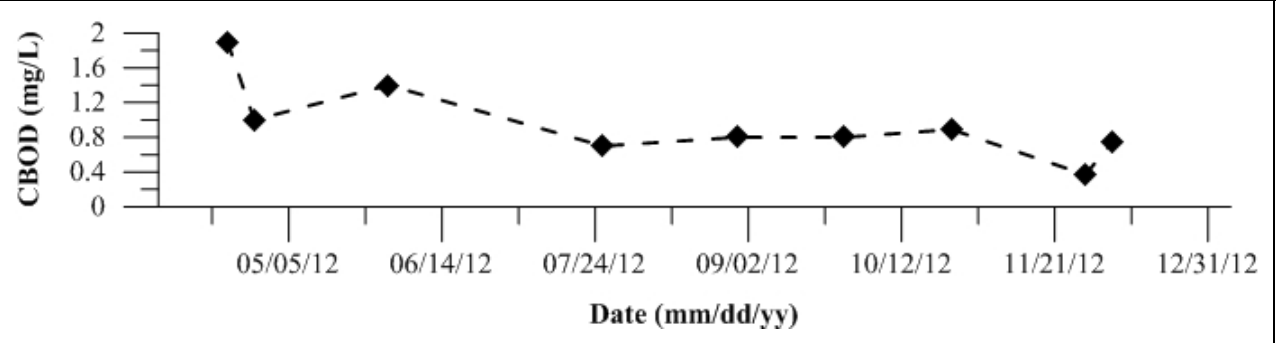


Figure 1648: Carbonaceous biochemical oxygen demand (CBOD) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1649-1674: Temporal plots of Nitrogenous Biochemical Oxygen Demand (NBOD) by Site ID

Figure 1649: Nitrogenous biochemical oxygen demand (NBOD) for Site 2 SJR at Dos Reis Park. Data collected in 2012.

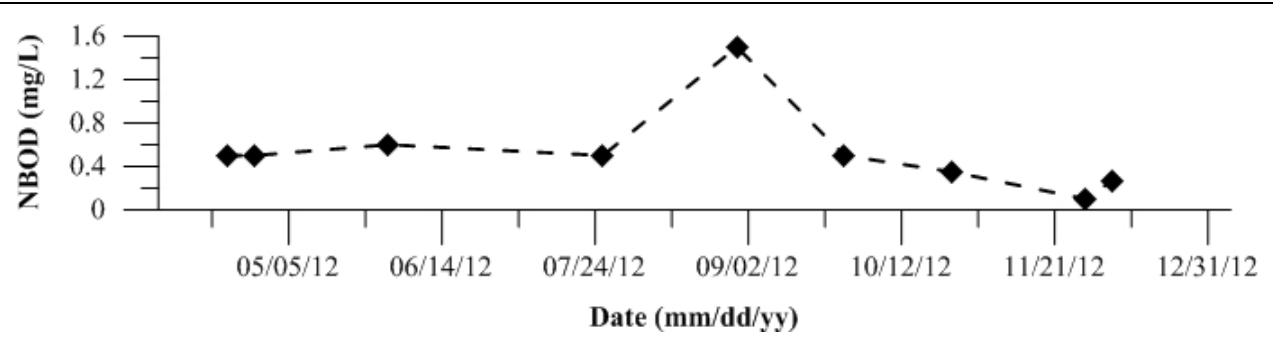


Figure 1650: Nitrogenous biochemical oxygen demand (NBOD) for Site 4 SJR at Mossdale. Data collected in 2012.

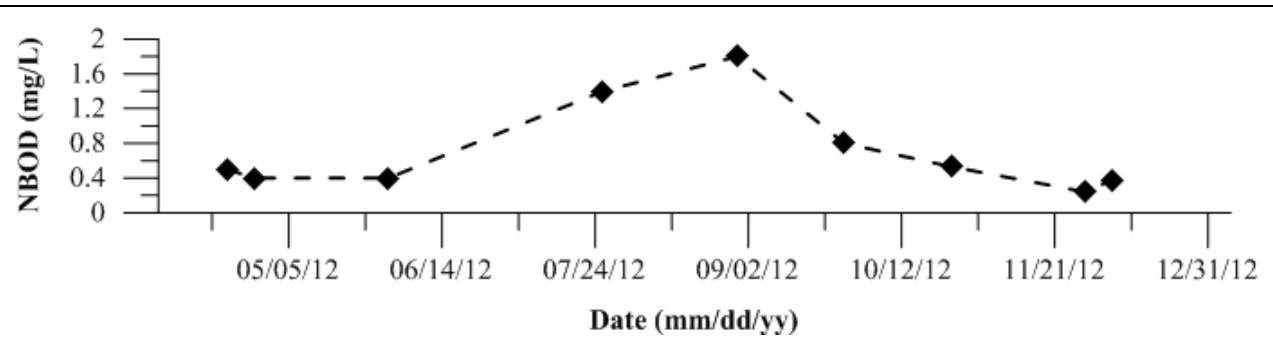


Figure 1651: Nitrogenous biochemical oxygen demand (NBOD) for Site 7 SJR at Patterson. Data collected in 2012.

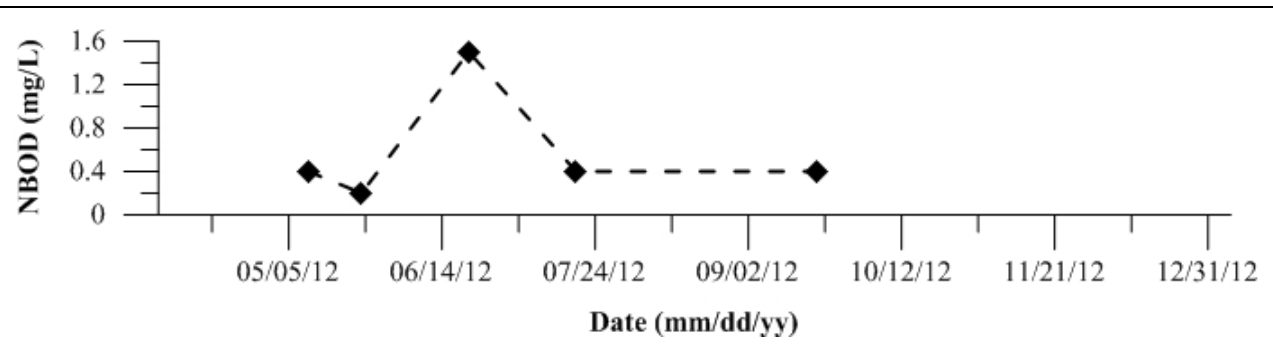


Figure 1652: Nitrogenous biochemical oxygen demand (NBOD) for Site 10 SJR at Lander Avenue. Data collected in 2012.

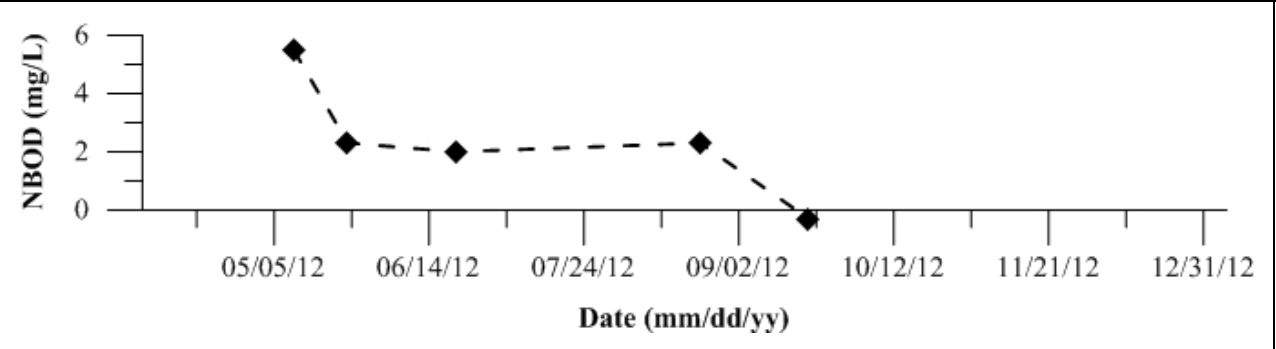


Figure 1653: Nitrogenous biochemical oxygen demand (NBOD) for Site 11 French Camp Slough. Data collected in 2012.

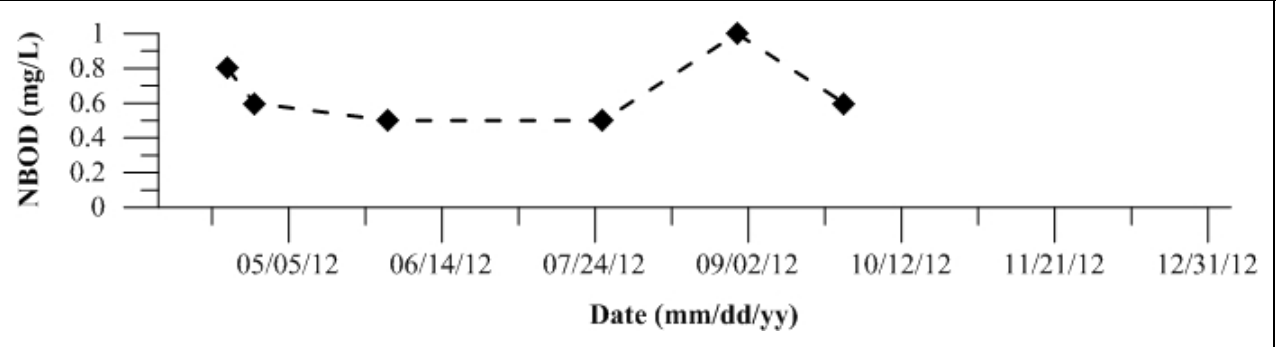


Figure 1654: Nitrogenous biochemical oxygen demand (NBOD) for Site 16 Merced River at River Road. Data collected in 2012.

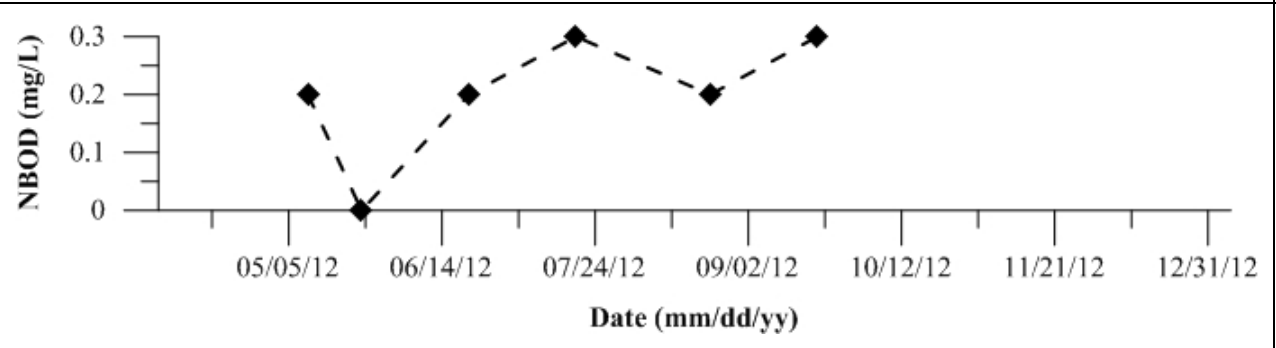


Figure 1655: Nitrogenous biochemical oxygen demand (NBOD) for Site 18 Mud Slough near Gustine. Data collected in 2012.

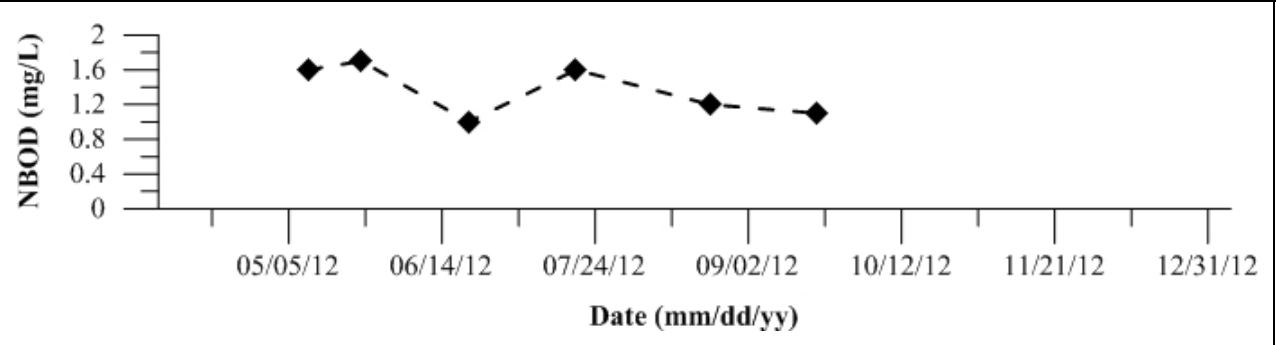


Figure 1656: Nitrogenous biochemical oxygen demand (NBOD) for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

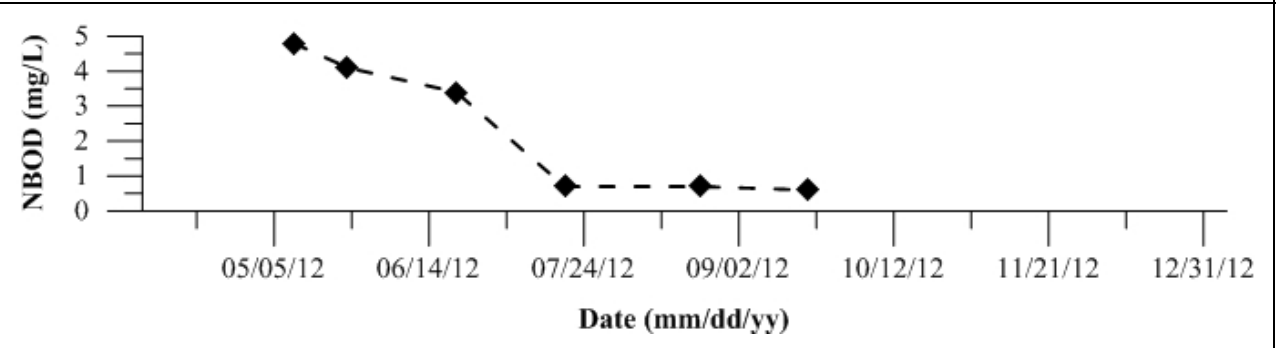


Figure 1657: Nitrogenous biochemical oxygen demand (NBOD) for Site 21 Orestimba Creek at River Road. Data collected in 2012.

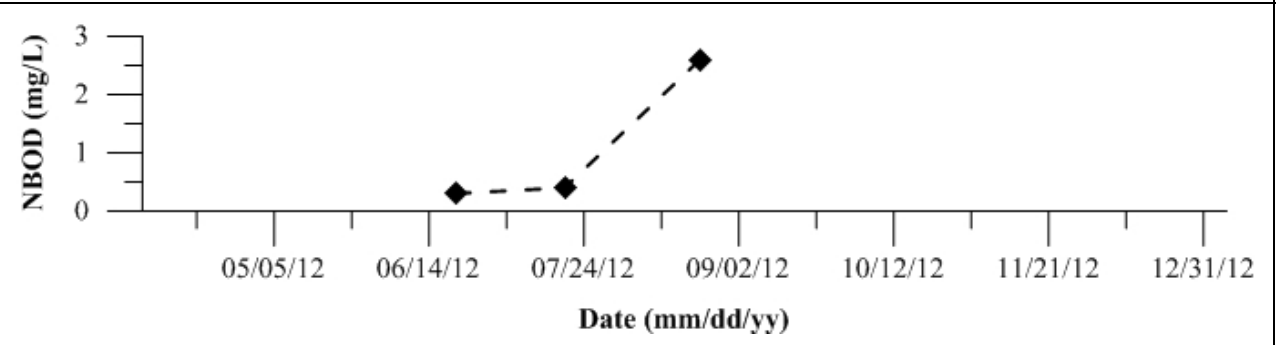


Figure 1658: Nitrogenous biochemical oxygen demand (NBOD) for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

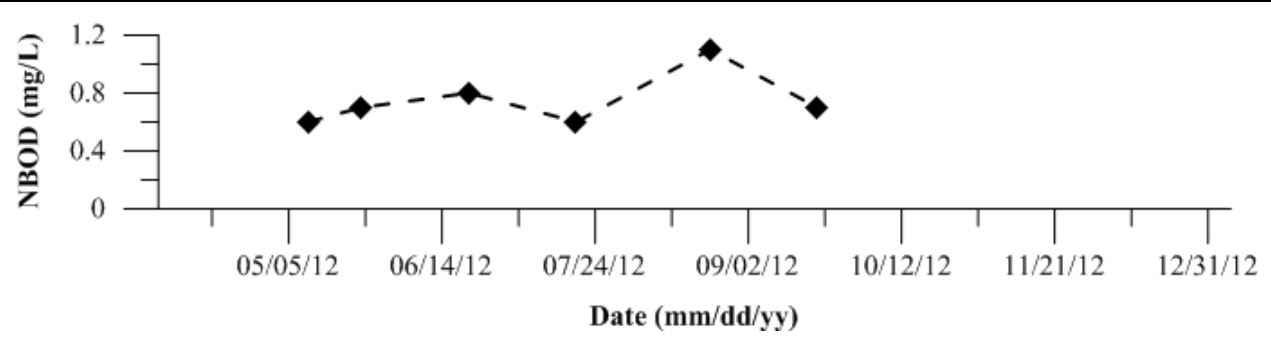


Figure 1659: Nitrogenous biochemical oxygen demand (NBOD) for Site 34 Ingram Creek. Data collected in 2012.

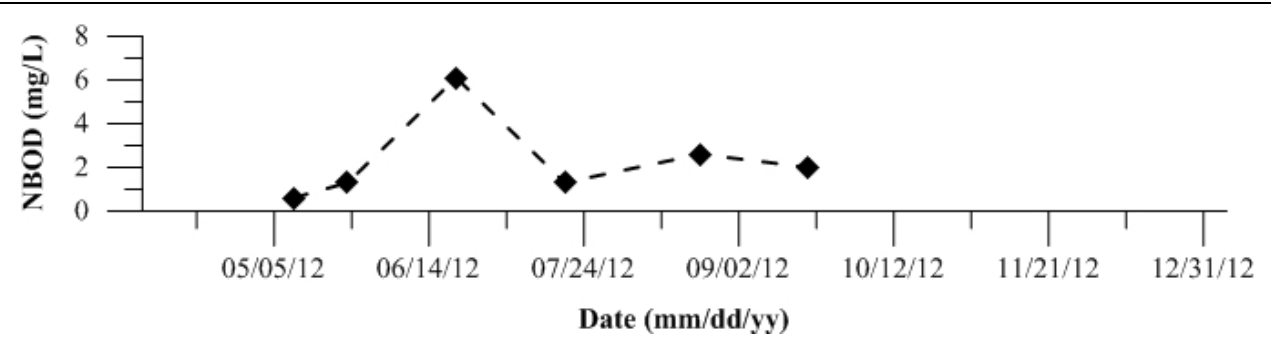


Figure 1660: Nitrogenous biochemical oxygen demand (NBOD) for Site 44 San Luis Drain End. Data collected in 2012.

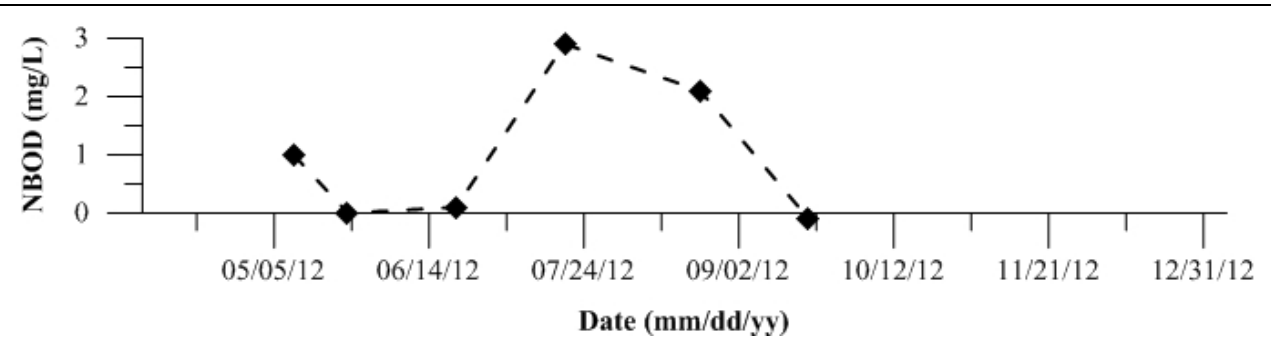


Figure 1661: Nitrogenous biochemical oxygen demand (NBOD) for Site 127 SJR at Brant Bridge. Data collected in 2012.

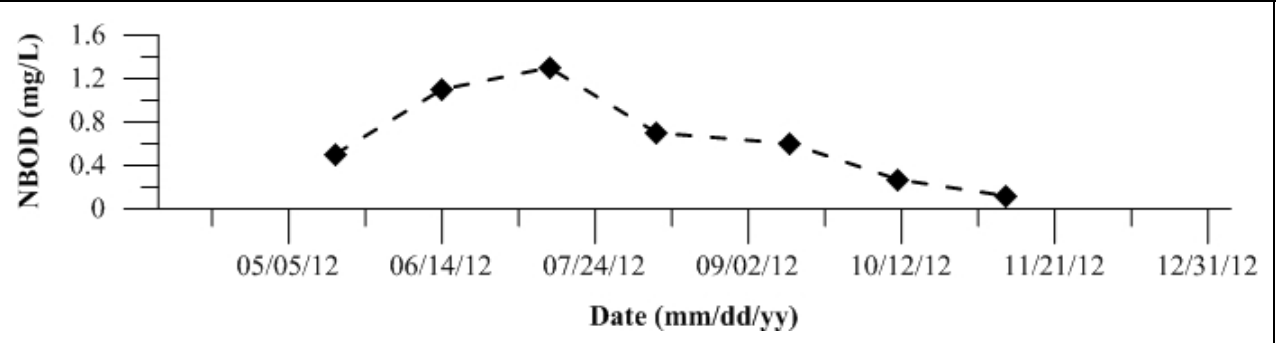


Figure 1662: Nitrogenous biochemical oxygen demand (NBOD) for Site 402 Light 18 (Node 96). Data collected in 2012.

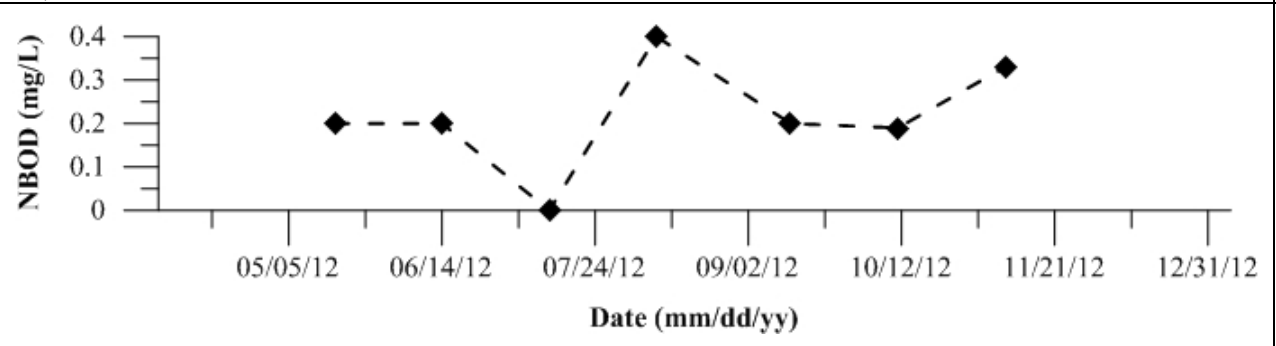


Figure 1663: Nitrogenous biochemical oxygen demand (NBOD) for Site 405 Calaveras River. Data collected in 2012.

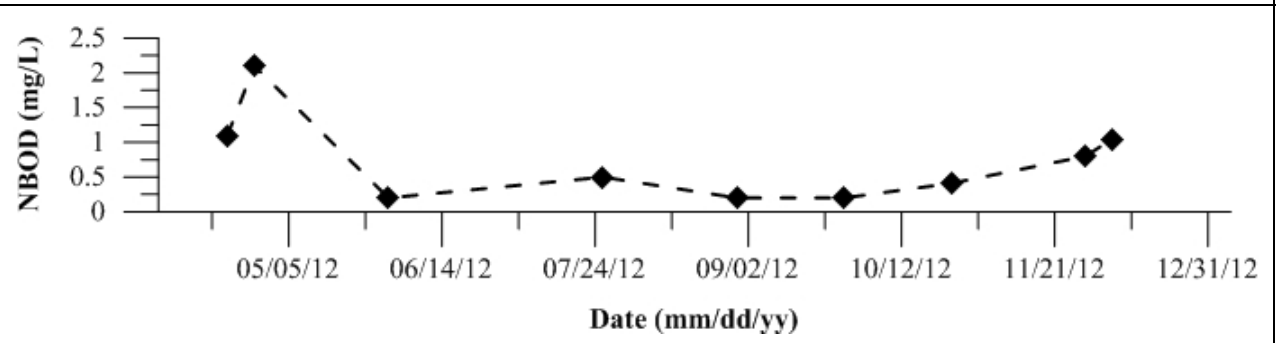


Figure 1664: Nitrogenous biochemical oxygen demand (NBOD) for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

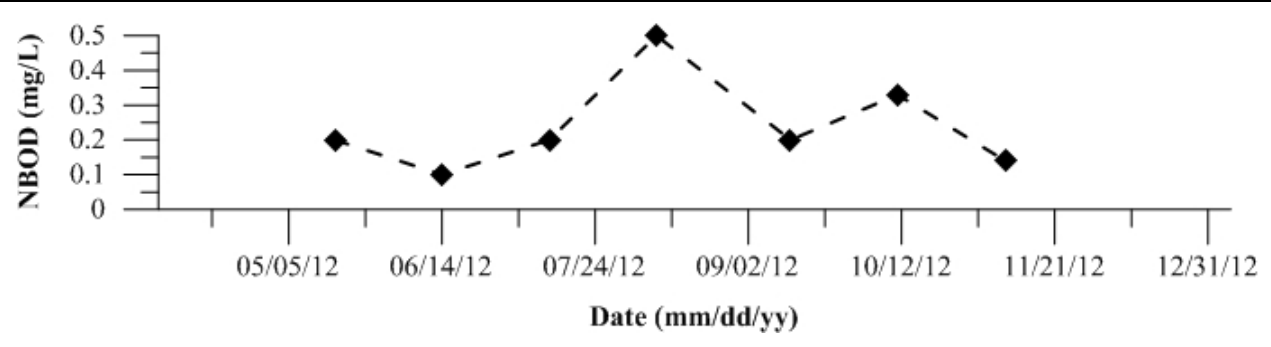


Figure 1665: Nitrogenous biochemical oxygen demand (NBOD) for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

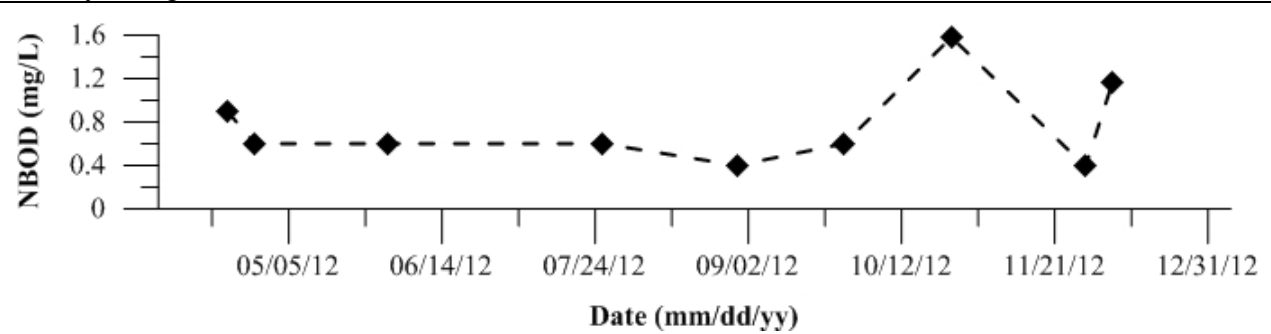


Figure 1666: Nitrogenous biochemical oxygen demand (NBOD) for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

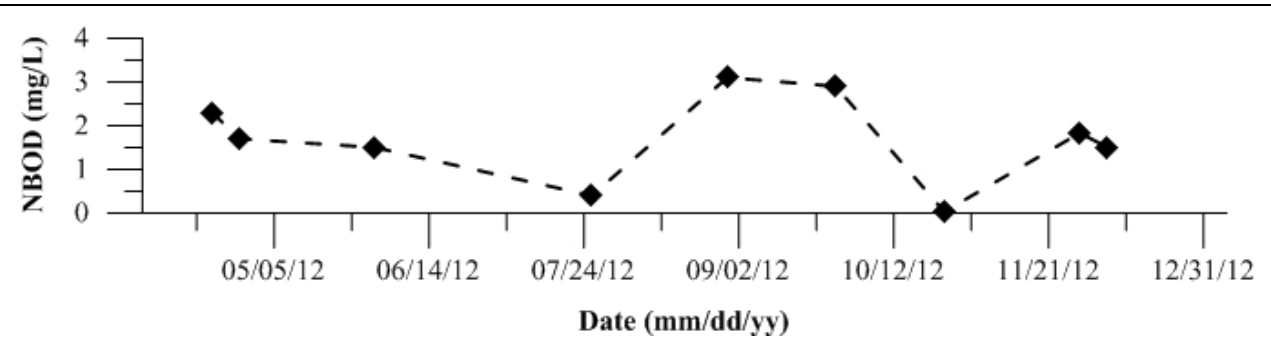


Figure 1667: Nitrogenous biochemical oxygen demand (NBOD) for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

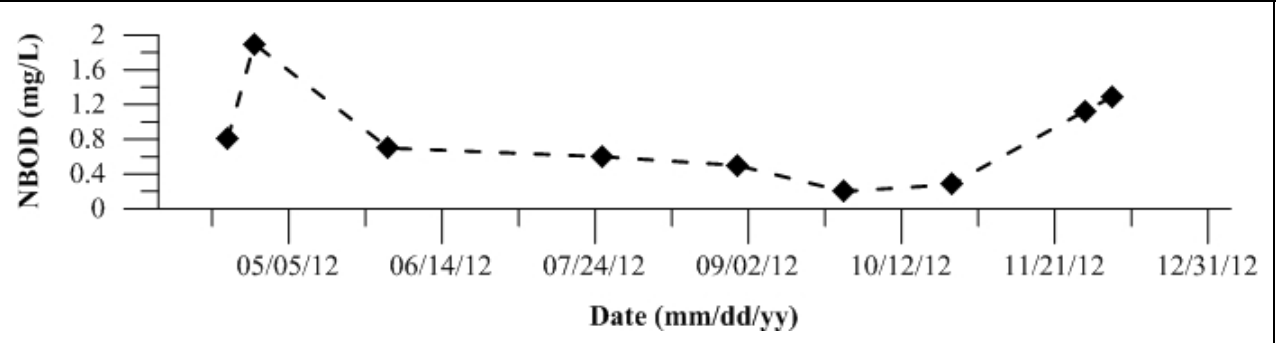


Figure 1668: Nitrogenous biochemical oxygen demand (NBOD) for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

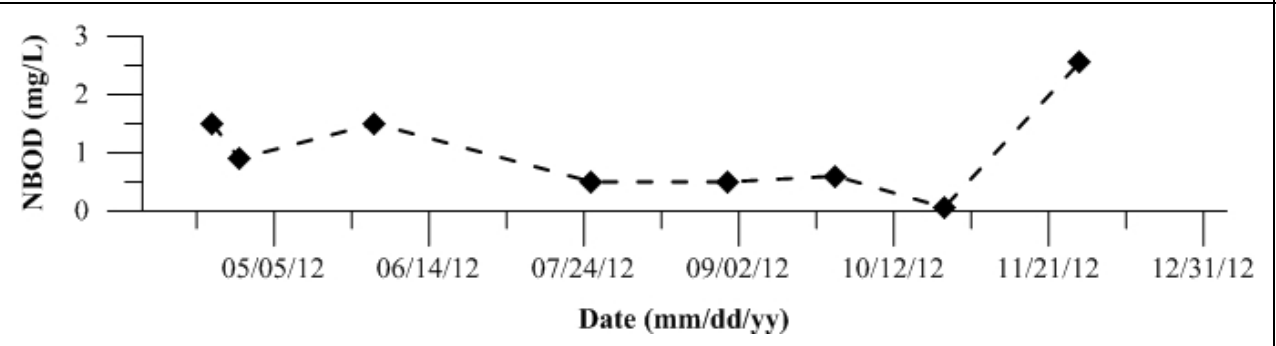


Figure 1669: Nitrogenous biochemical oxygen demand (NBOD) for Site 424 14mi Slough. Data collected in 2012.

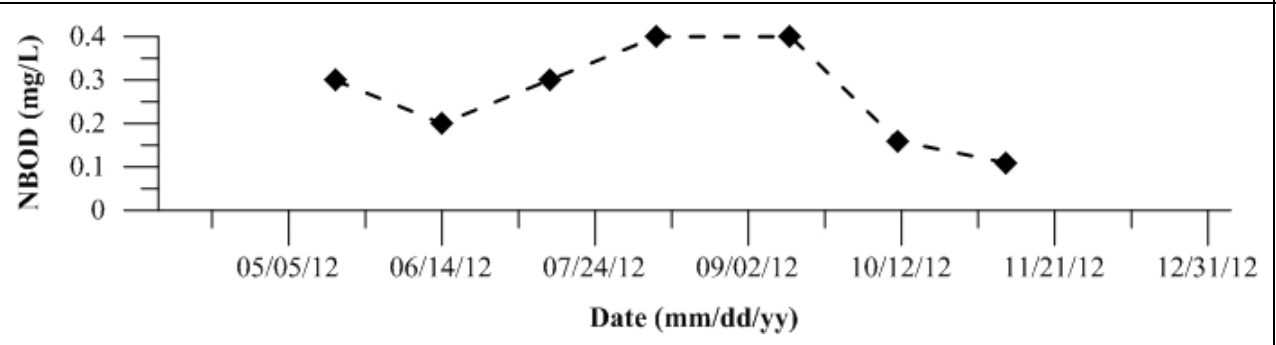


Figure 1670: Nitrogenous biochemical oxygen demand (NBOD) for Site 425 Turner Cut. Data collected in 2012.

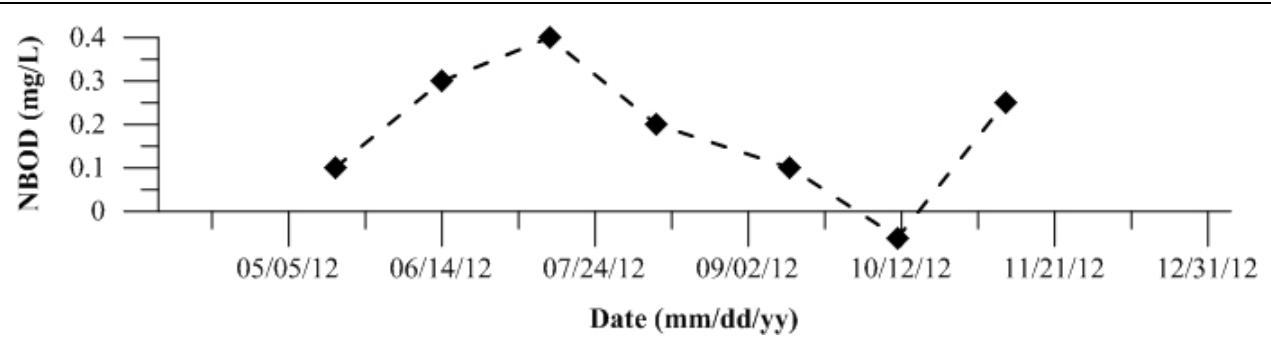


Figure 1671: Nitrogenous biochemical oxygen demand (NBOD) for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

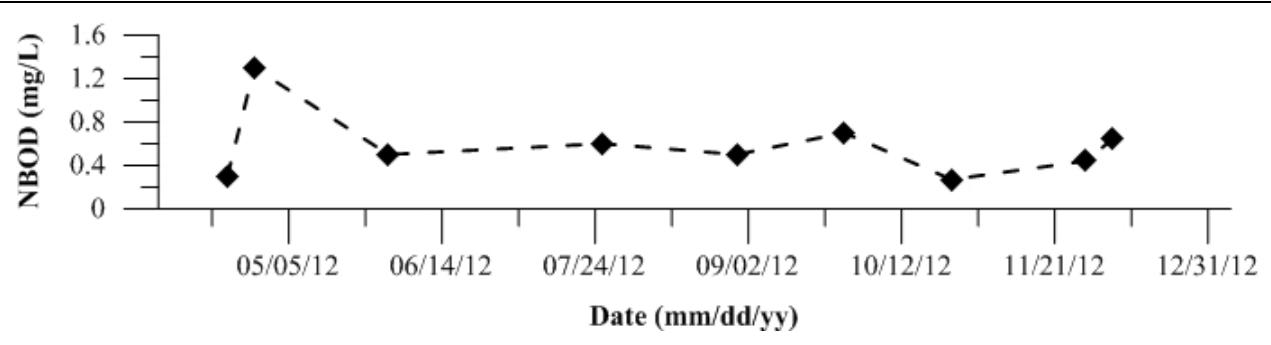


Figure 1672: Nitrogenous biochemical oxygen demand (NBOD) for Site 427 RM 39 Near Louis Park. Data collected in 2012.

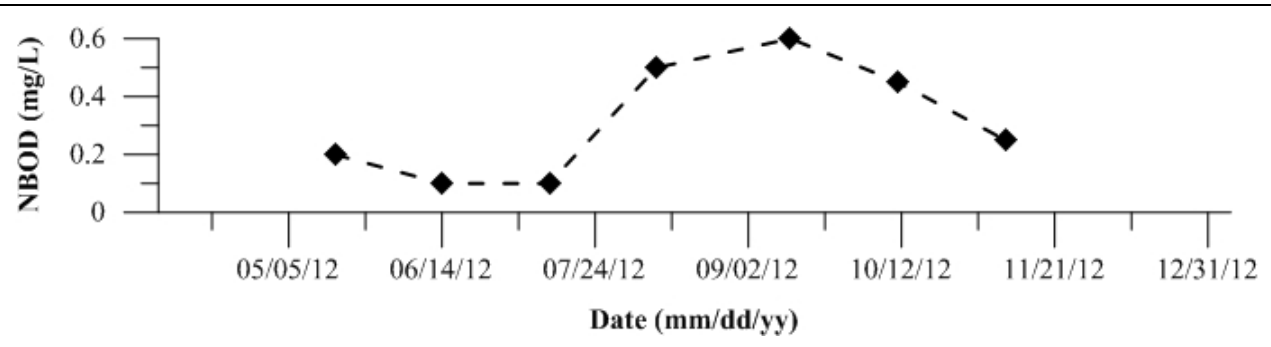


Figure 1673: Nitrogenous biochemical oxygen demand (NBOD) for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

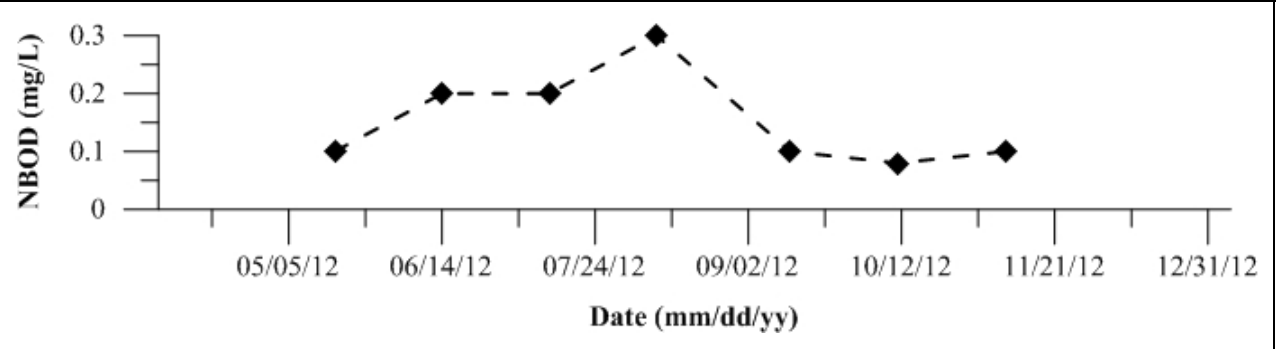
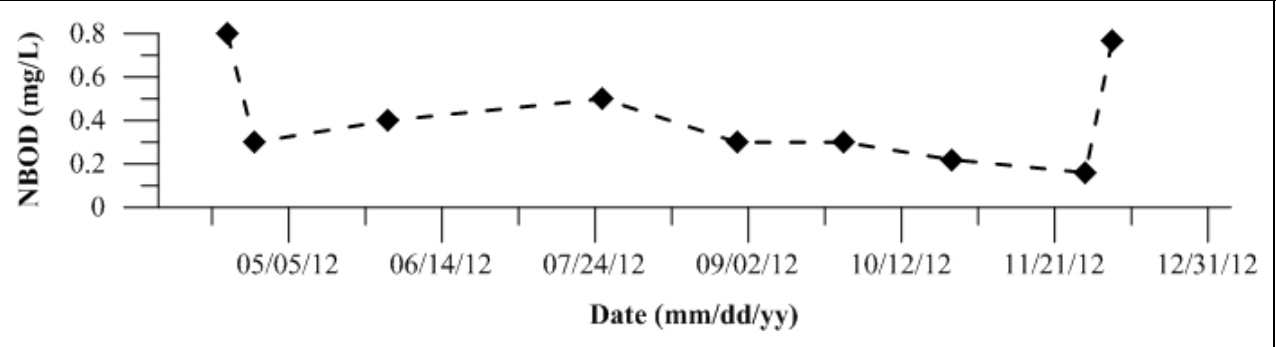


Figure 1674: Nitrogenous biochemical oxygen demand (NBOD) for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1675-1700: Temporal plots of chlorophyll a (Chl-a) as determined by standard methods by Site ID

Figure 1675: Chlorophyll a (Chl-a) as determined by standard methods for Site 2 SJR at Dos Reis Park. Data collected in 2012.

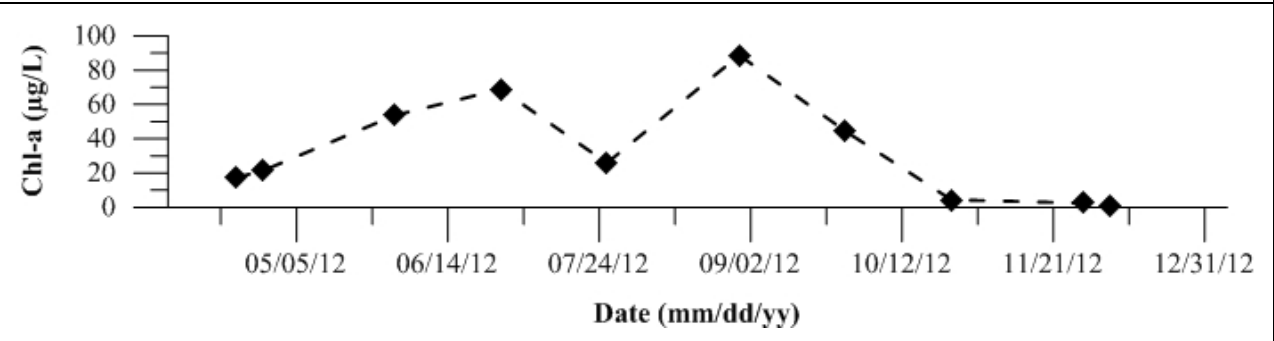


Figure 1676: Chlorophyll a (Chl-a) as determined by standard methods for Site 4 SJR at Mossdale. Data collected in 2012.

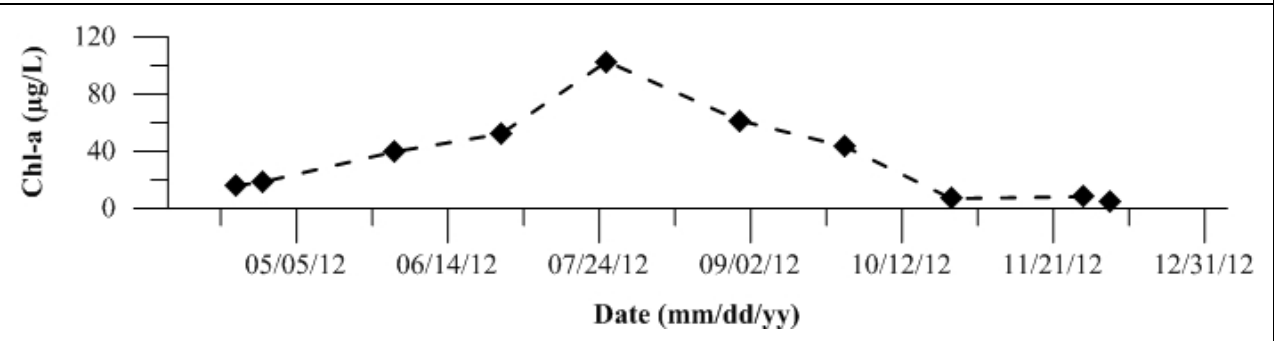


Figure 1677: Chlorophyll a (Chl-a) as determined by standard methods for Site 7 SJR at Patterson. Data collected in 2012.

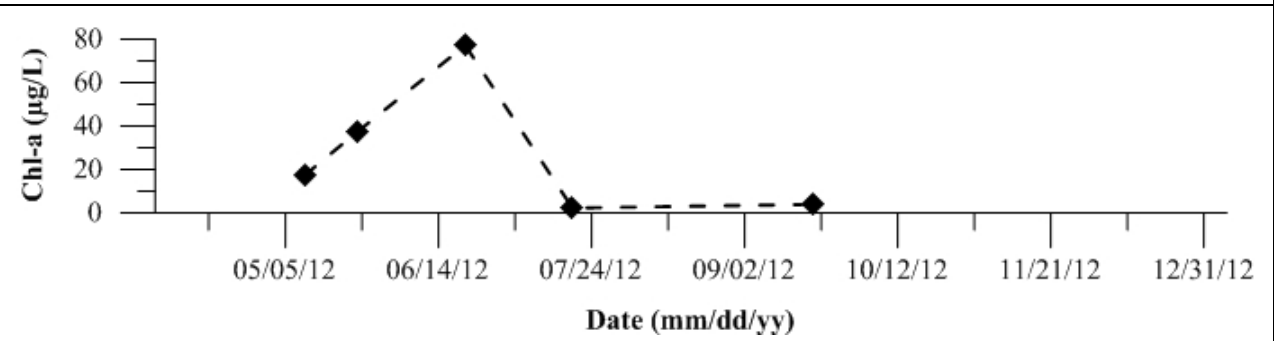


Figure 1678: Chlorophyll a (Chl-a) as determined by standard methods for Site 10 SJR at Lander Avenue. Data collected in 2012.

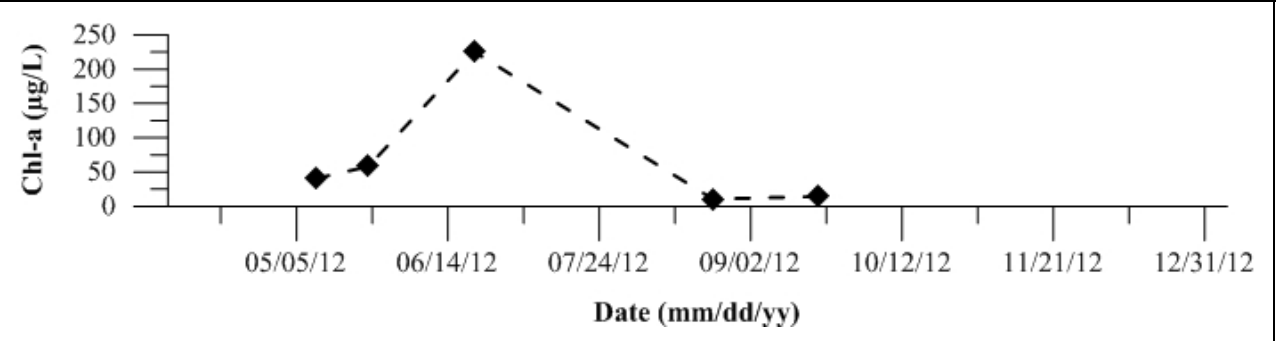


Figure 1679: Chlorophyll a (Chl-a) as determined by standard methods for Site 11 French Camp Slough. Data collected in 2012.

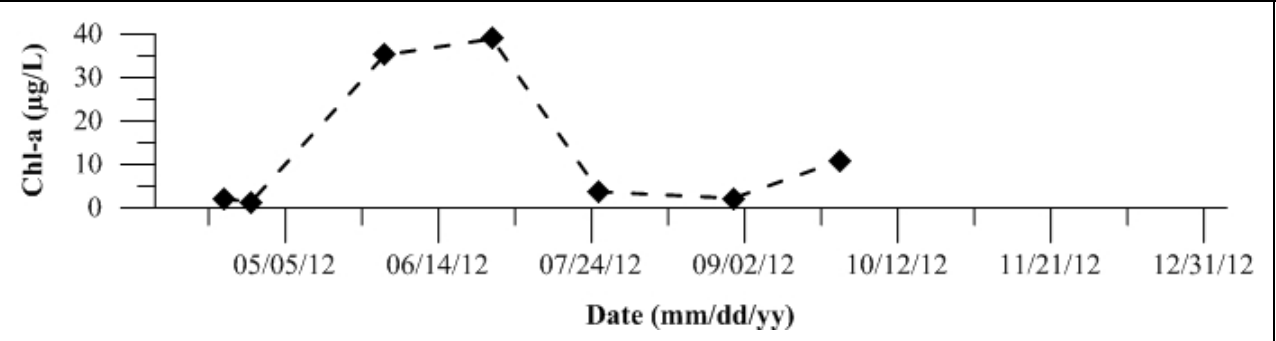


Figure 1680: Chlorophyll a (Chl-a) as determined by standard methods for Site 16 Merced River at River Road. Data collected in 2012.

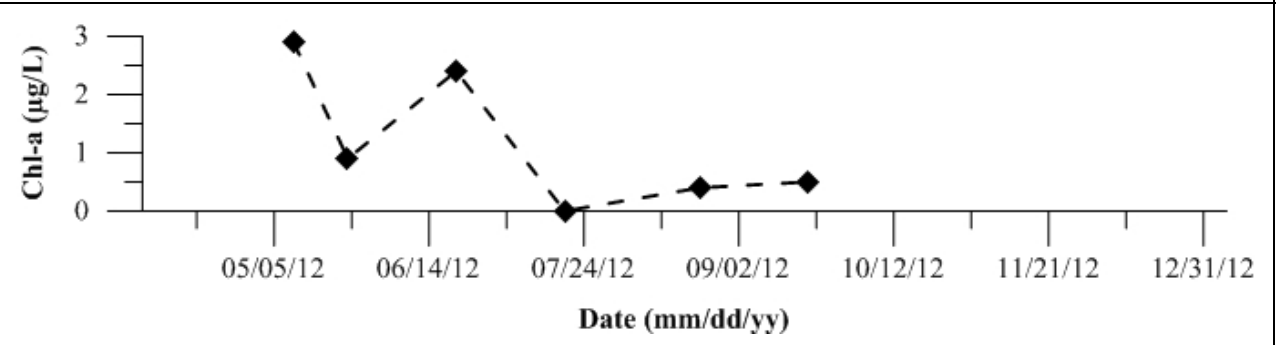


Figure 1681: Chlorophyll a (Chl-a) as determined by standard methods for Site 18 Mud Slough near Gustine. Data collected in 2012.

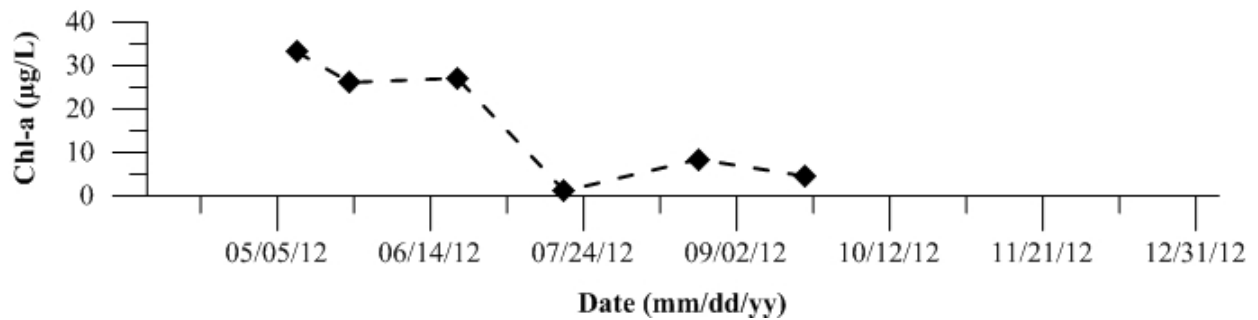


Figure 1682: Chlorophyll a (Chl-a) as determined by standard methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

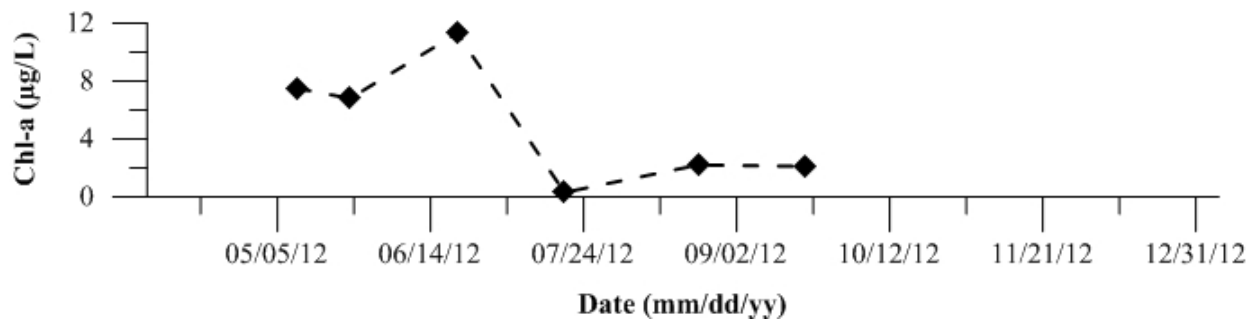


Figure 1683: Chlorophyll a (Chl-a) as determined by standard methods for Site 21 Orestimba Creek at River Road. Data collected in 2012.

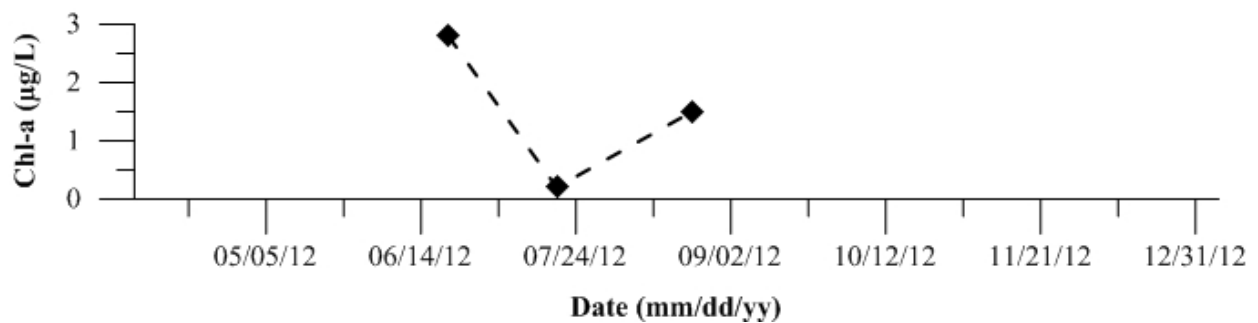


Figure 1684: Chlorophyll a (Chl-a) as determined by standard methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

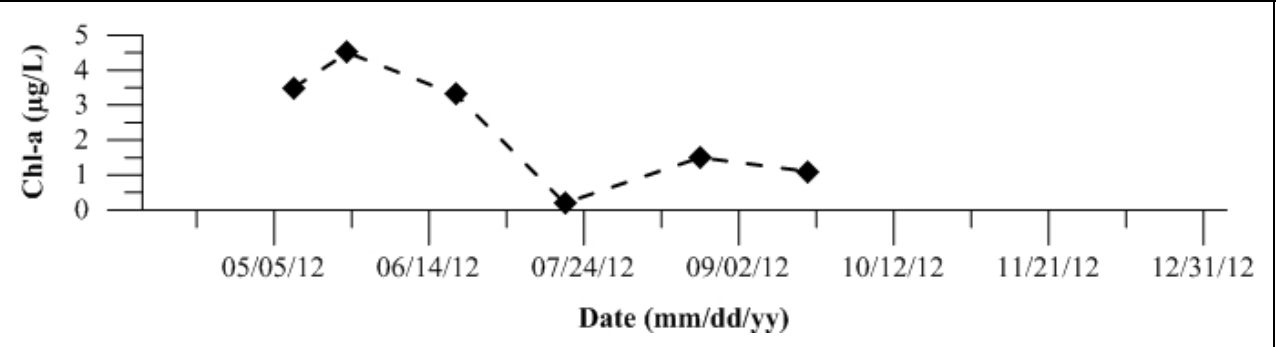


Figure 1685: Chlorophyll a (Chl-a) as determined by standard methods for Site 34 Ingram Creek. Data collected in 2012.

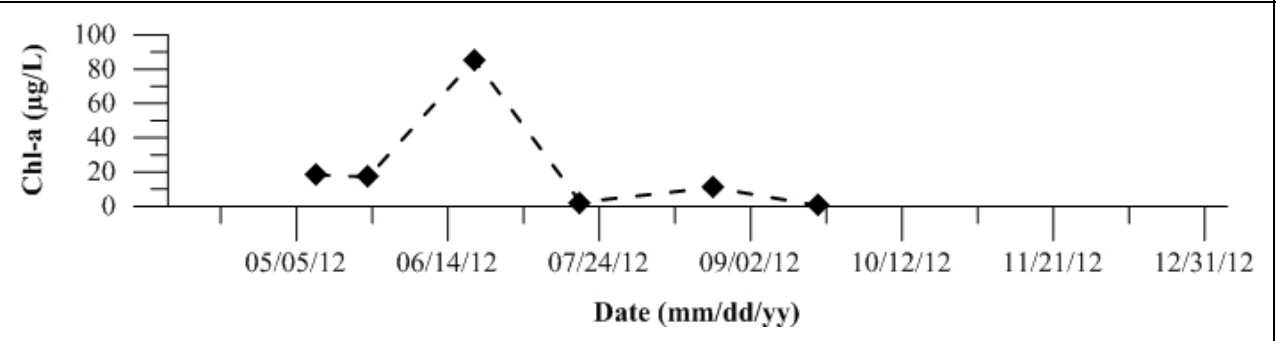


Figure 1686: Chlorophyll a (Chl-a) as determined by standard methods for Site 44 San Luis Drain End. Data collected in 2012.

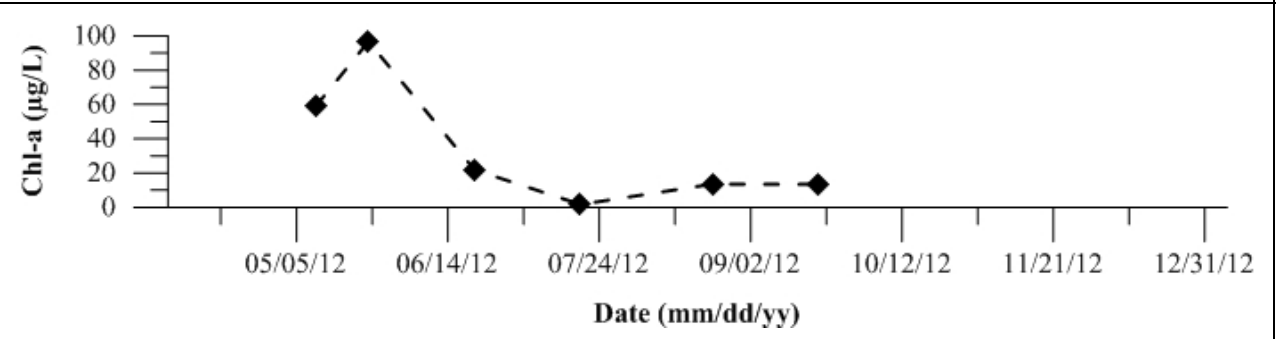


Figure 1687: Chlorophyll a (Chl-a) as determined by standard methods for Site 127 SJR at Brant Bridge. Data collected in 2012.

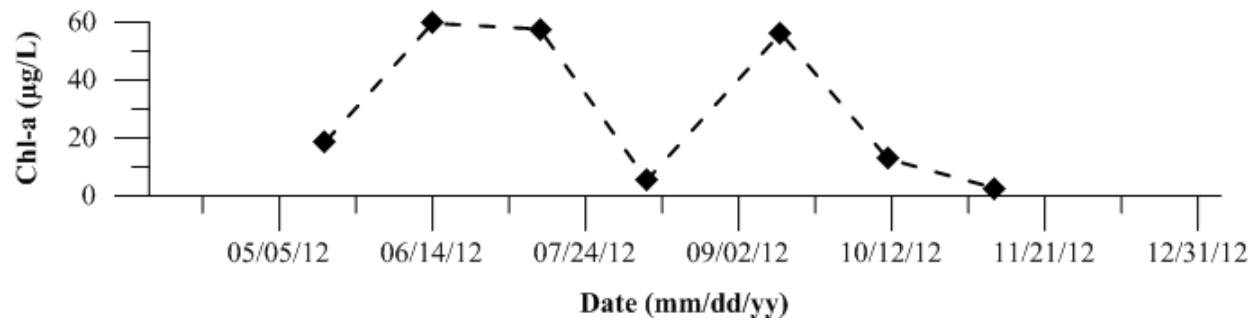


Figure 1688: Chlorophyll a (Chl-a) as determined by standard methods for Site 402 Light 18 (Node 96). Data collected in 2012.

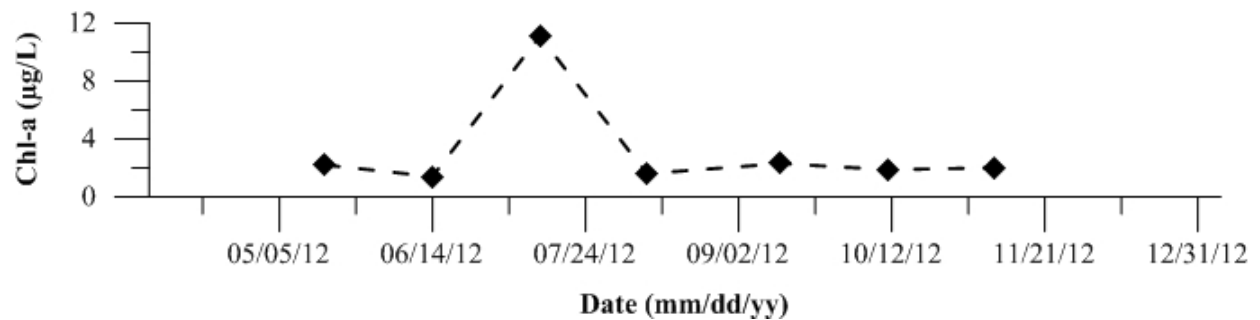


Figure 1689: Chlorophyll a (Chl-a) as determined by standard methods for Site 405 Calaveras River. Data collected in 2012.

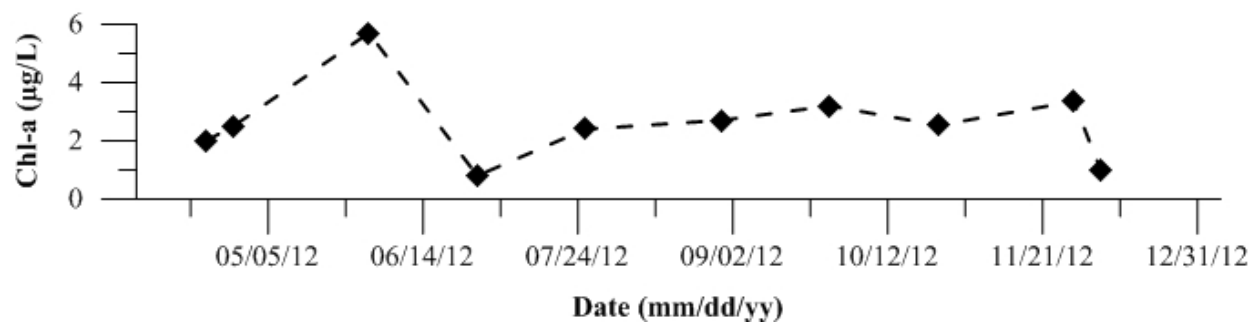


Figure 1690: Chlorophyll a (Chl-a) as determined by standard methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

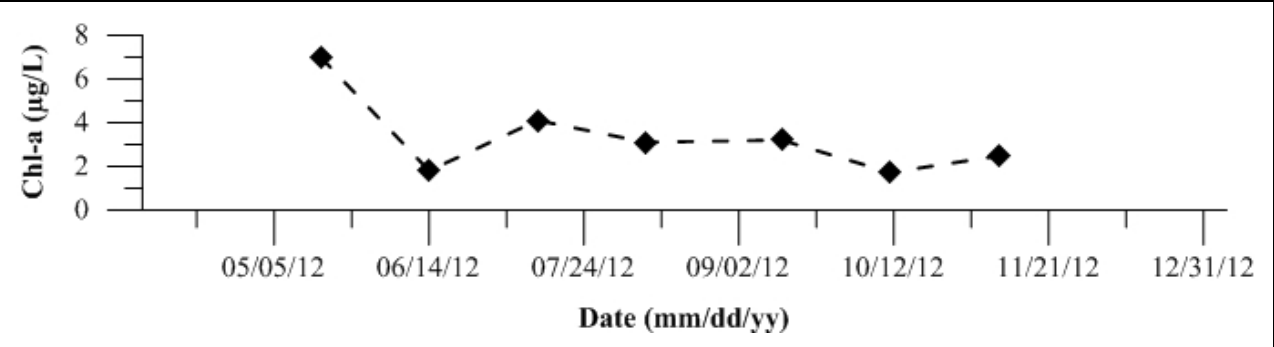


Figure 1691: Chlorophyll a (Chl-a) as determined by standard methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

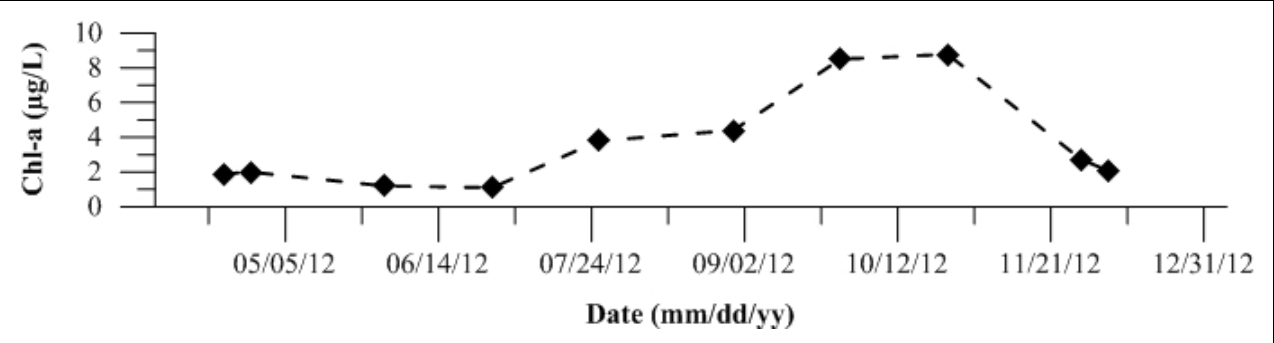


Figure 1692: Chlorophyll a (Chl-a) as determined by standard methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

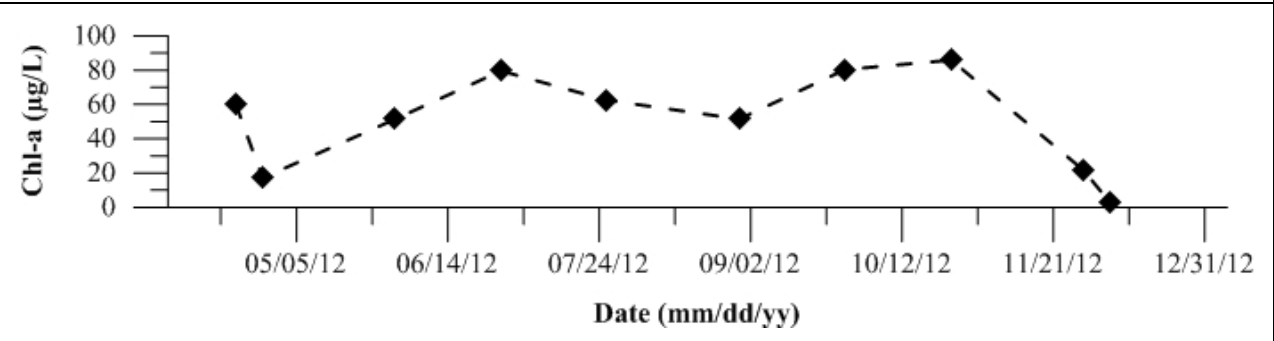


Figure 1693: Chlorophyll a (Chl-a) as determined by standard methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

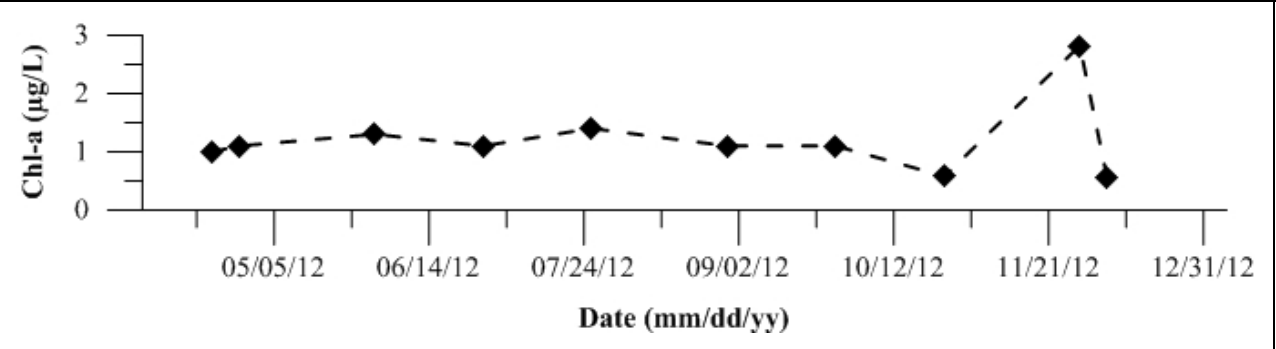


Figure 1694: Chlorophyll a (Chl-a) as determined by standard methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

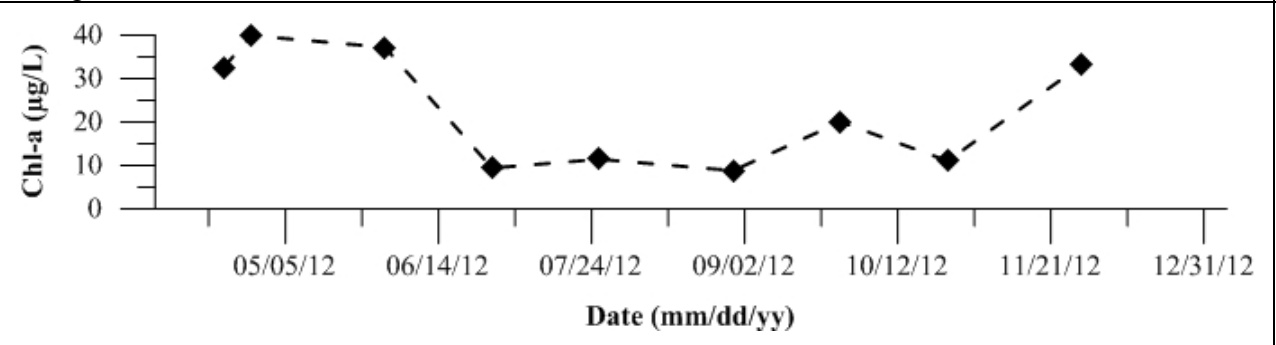


Figure 1695: Chlorophyll a (Chl-a) as determined by standard methods for Site 424 14mi Slough. Data collected in 2012.

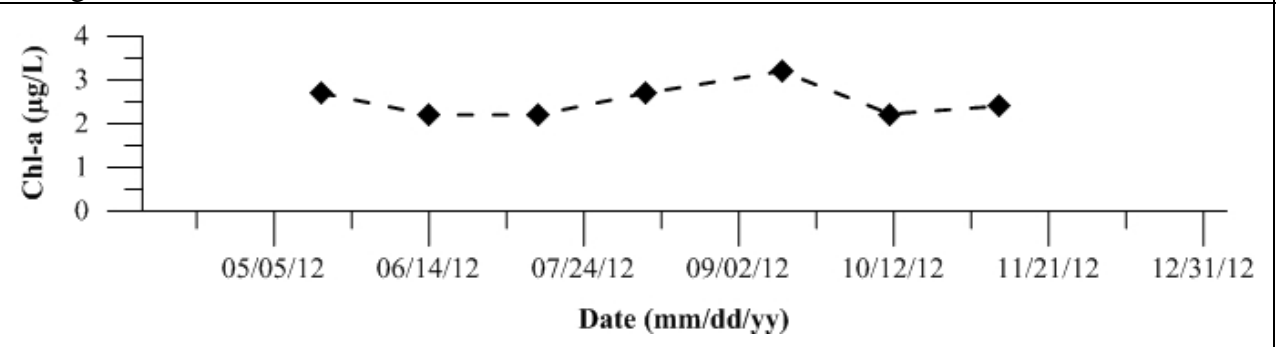


Figure 1696: Chlorophyll a (Chl-a) as determined by standard methods for Site 425 Turner Cut. Data collected in 2012.

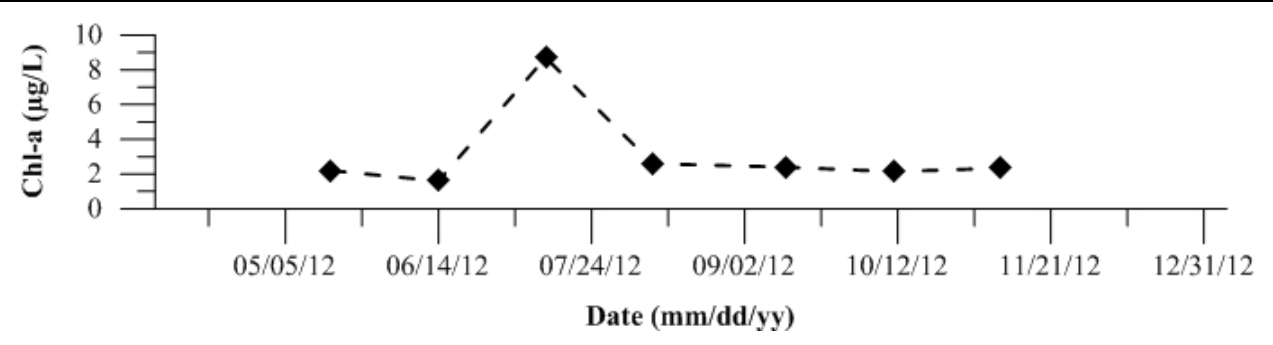


Figure 1697: Chlorophyll a (Chl-a) as determined by standard methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

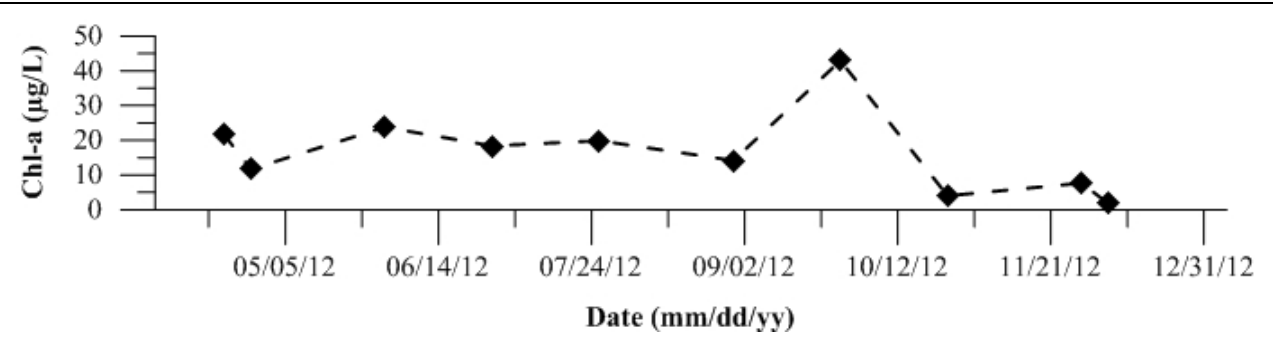


Figure 1698: Chlorophyll a (Chl-a) as determined by standard methods for Site 427 RM 39 Near Louis Park. Data collected in 2012.

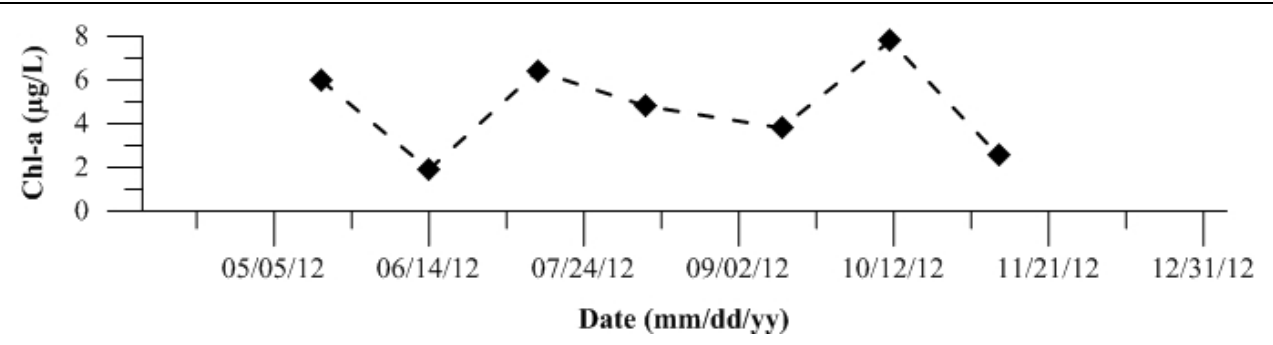


Figure 1699: Chlorophyll a (Chl-a) as determined by standard methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

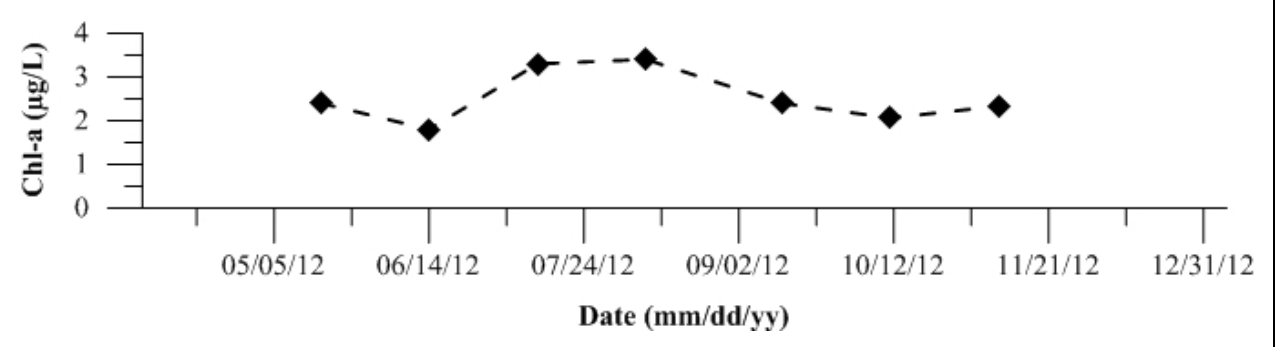
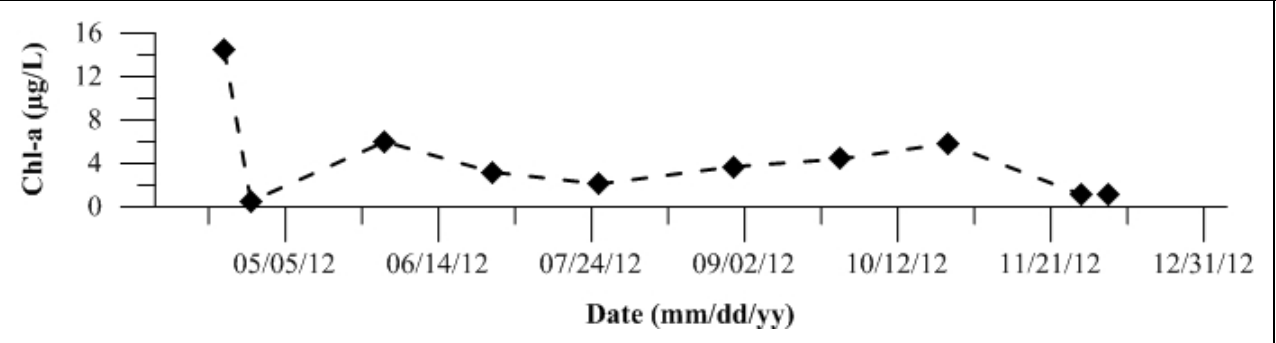


Figure 1700: Chlorophyll a (Chl-a) as determined by standard methods for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1701-1726: Temporal plots of chlorophyll a (Chl-a) as determined by trichromatic methods by Site ID

Figure 1701: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 2 SJR at Dos Reis Park. Data collected in 2012.

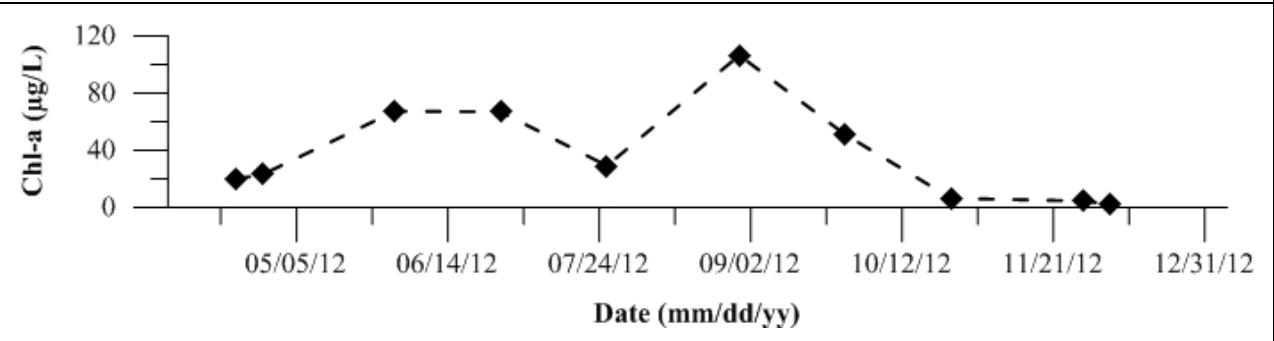


Figure 1702: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 4 SJR at Mossdale. Data collected in 2012.

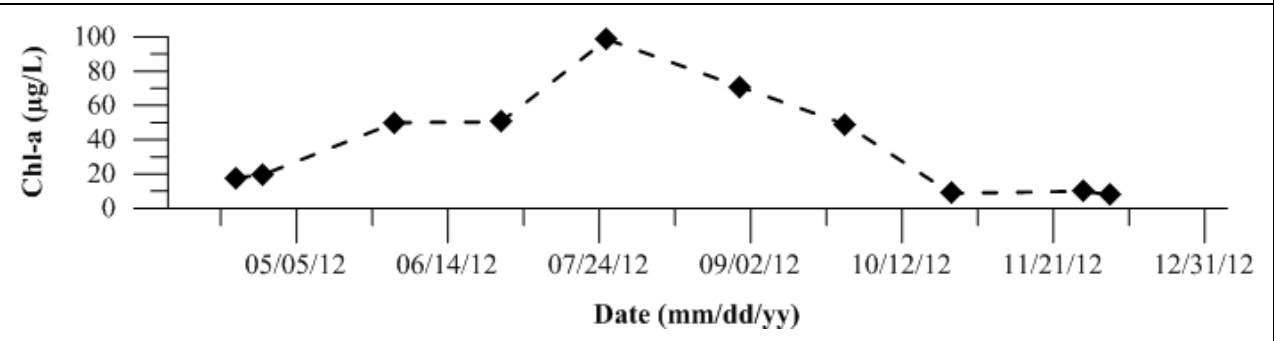


Figure 1703: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 7 SJR at Patterson. Data collected in 2012.

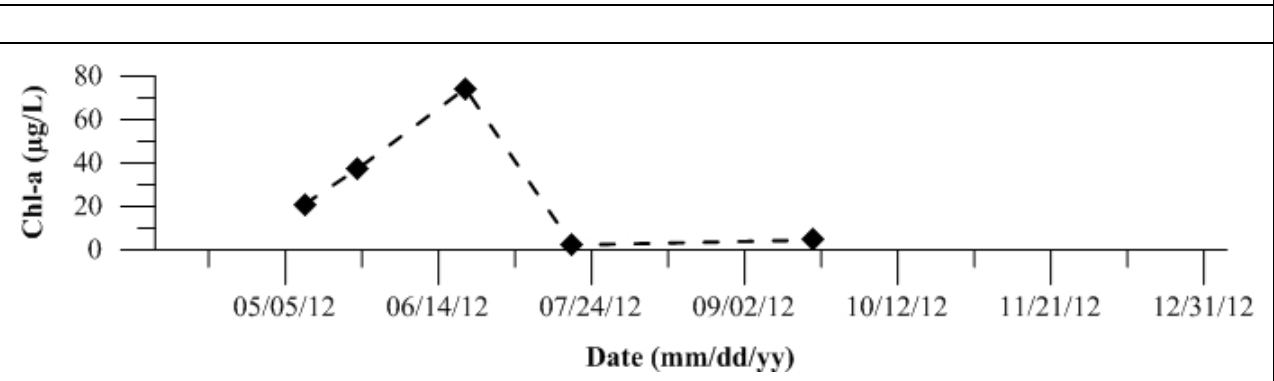


Figure 1704: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 10 SJR at Lander Avenue. Data collected in 2012.

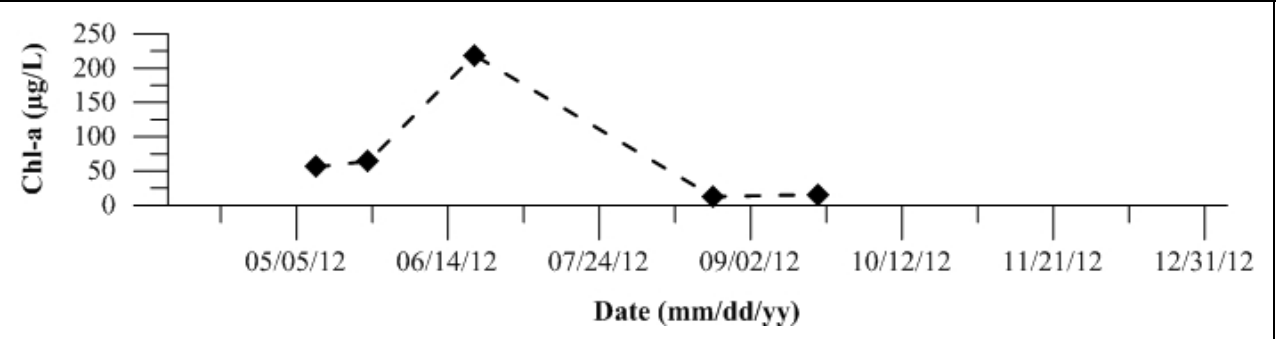


Figure 1705: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 11 French Camp Slough. Data collected in 2012.

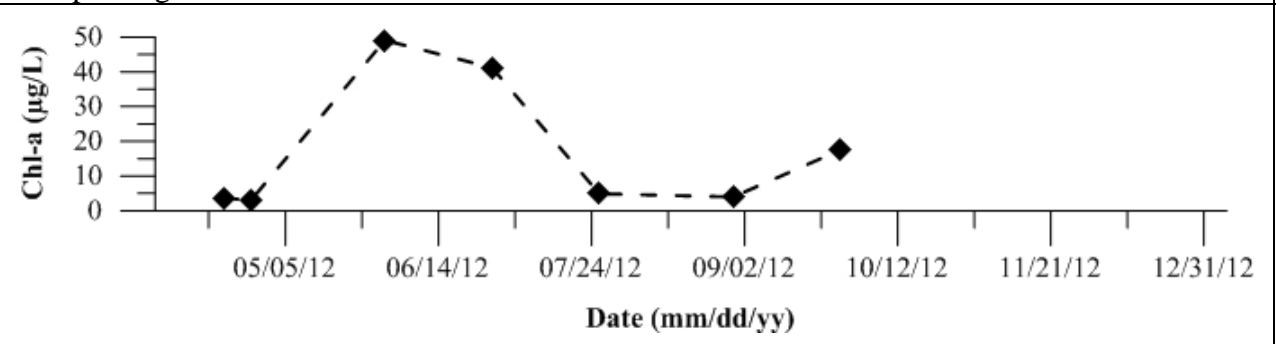


Figure 1706: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 16 Merced River at River Road. Data collected in 2012.

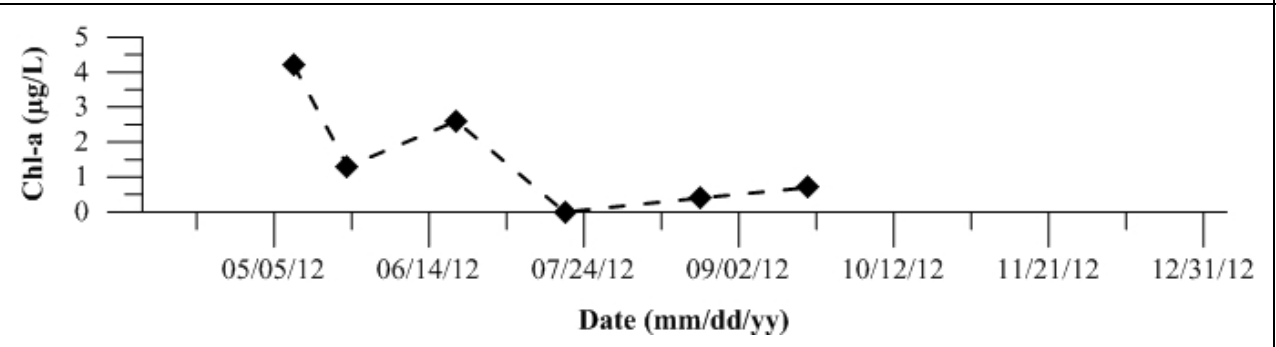


Figure 1707: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 18 Mud Slough near Gustine. Data collected in 2012.

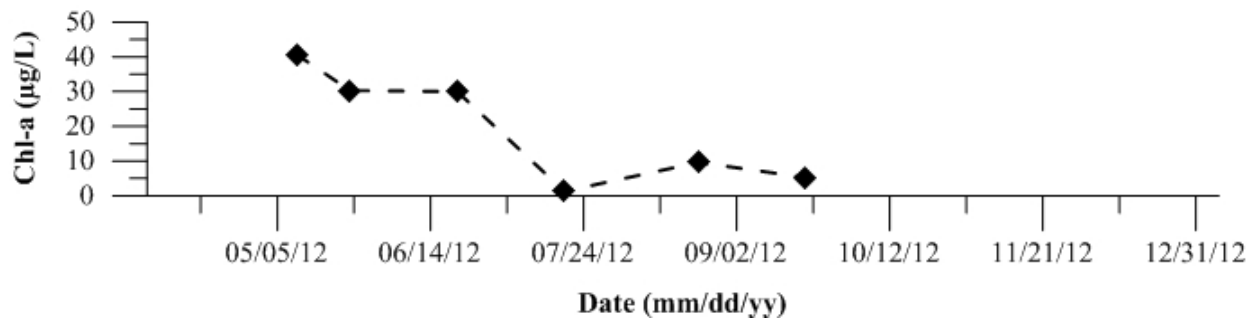


Figure 1708: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

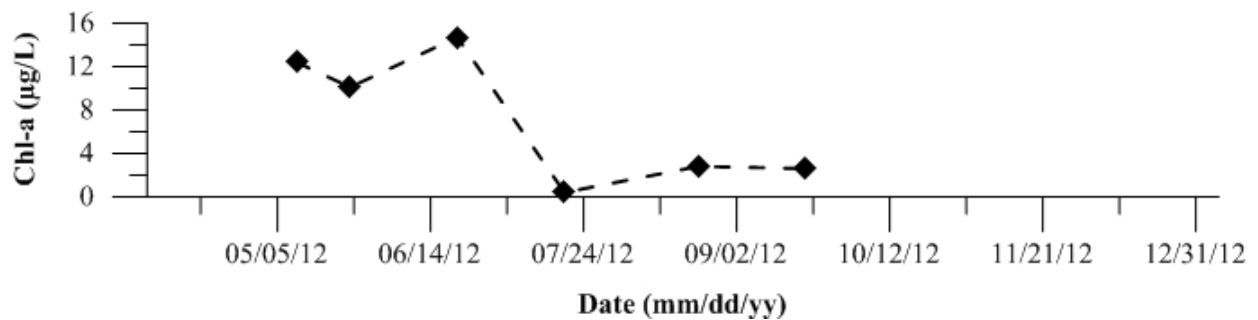


Figure 1709: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 21 Orestimba Creek at River Road. Data collected in 2012.

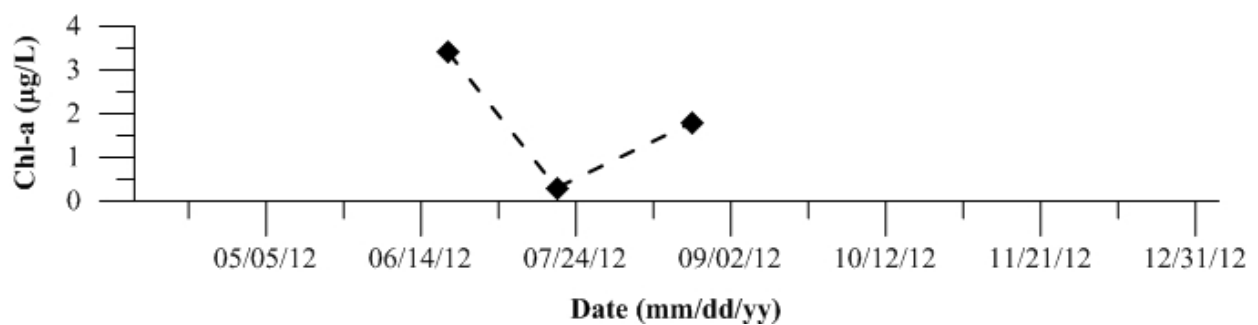


Figure 1710: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

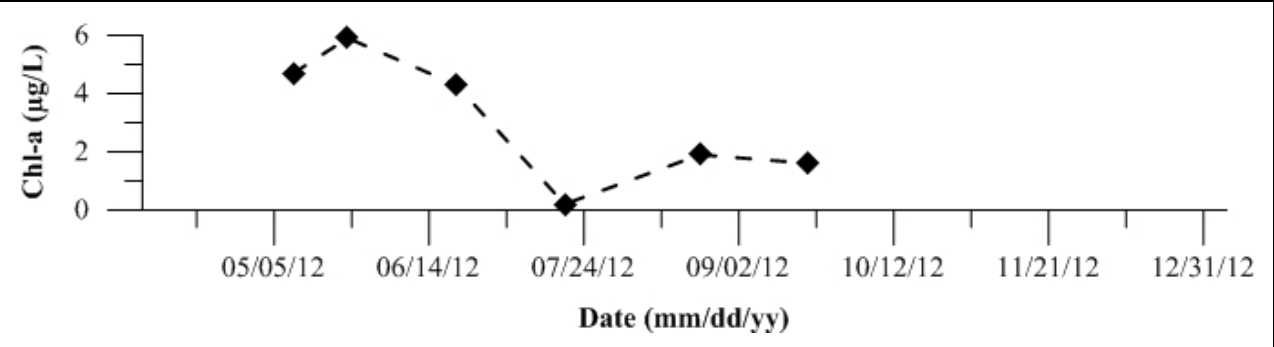


Figure 1711: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 34 Ingram Creek. Data collected in 2012.

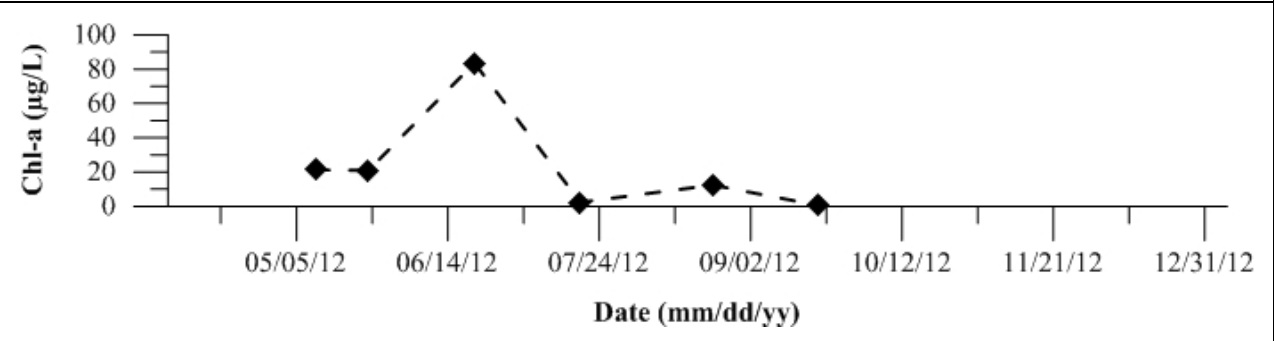


Figure 1712: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 44 San Luis Drain End. Data collected in 2012.

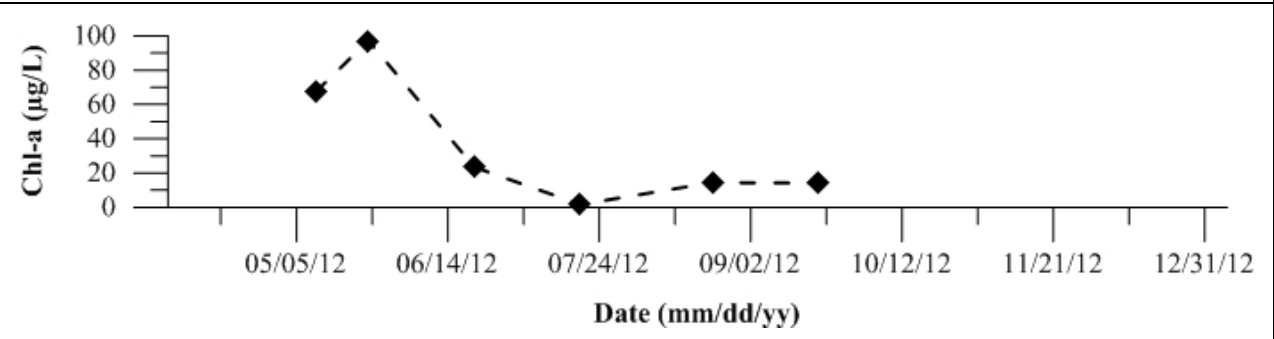


Figure 1713: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 127 SJR at Brant Bridge. Data collected in 2012.

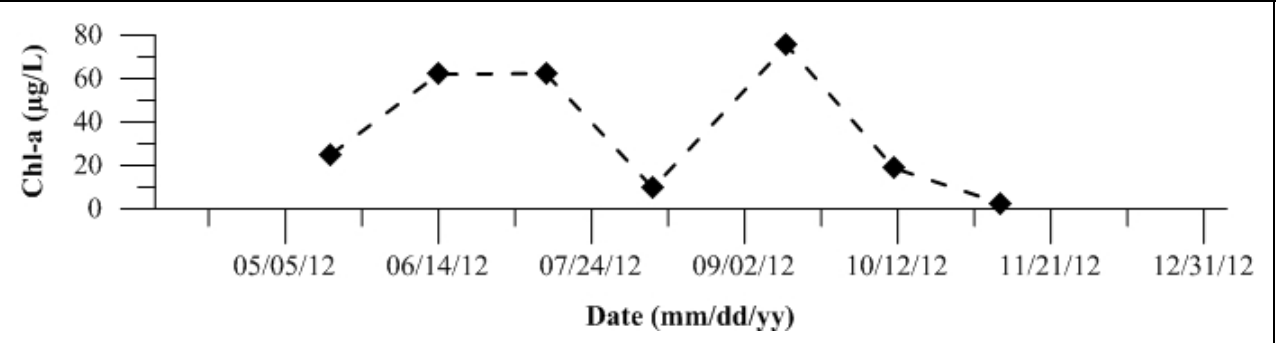


Figure 1714: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 402 Light 18 (Node 96). Data collected in 2012.

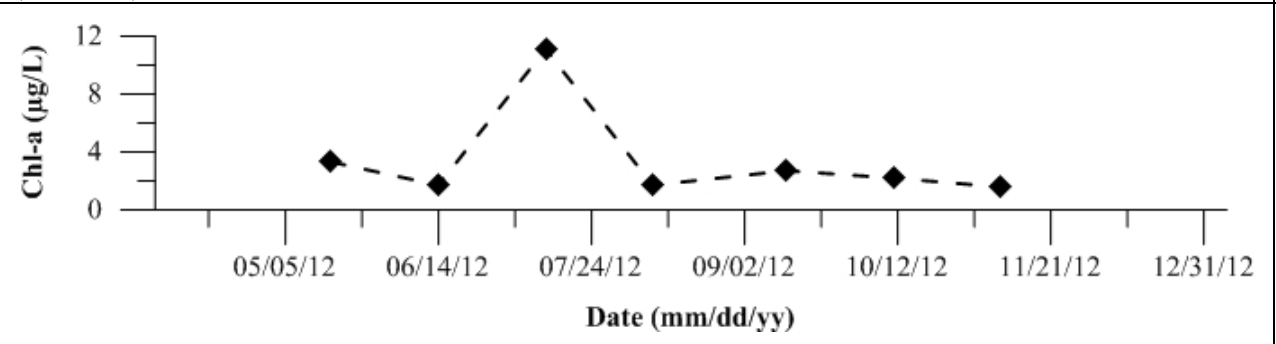


Figure 1715: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 405 Calaveras River. Data collected in 2012.

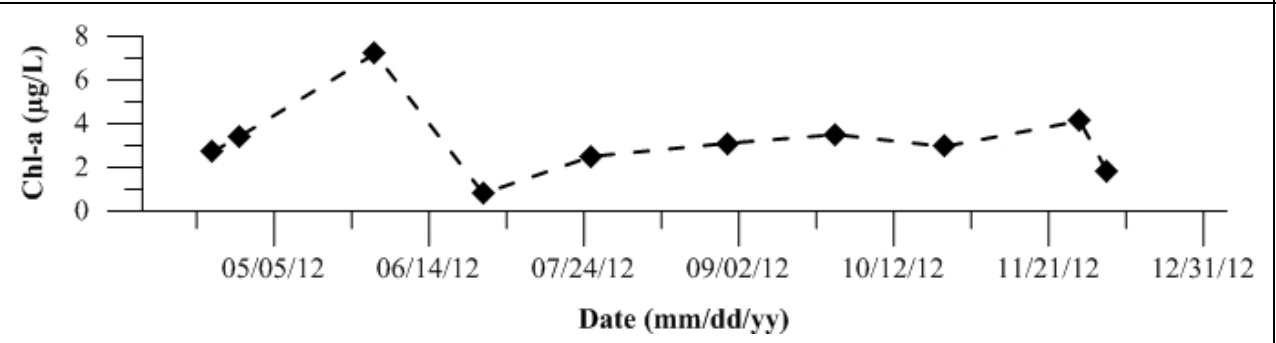


Figure 1716: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

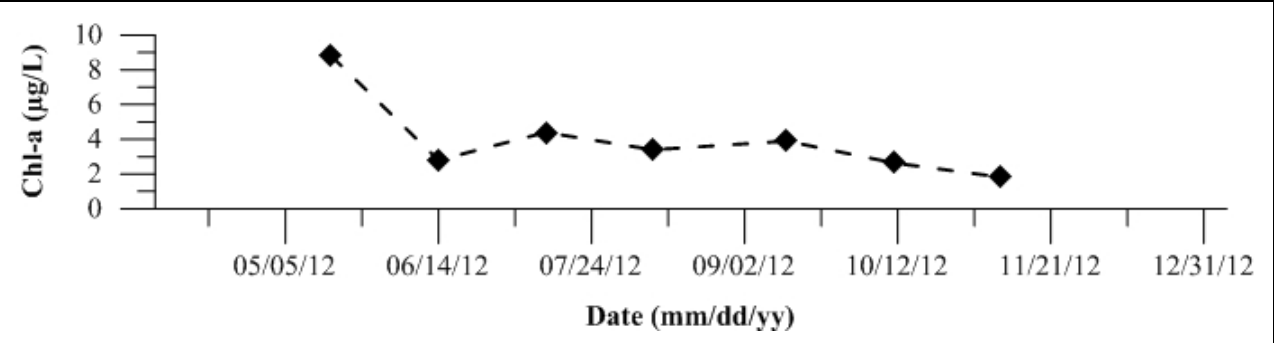


Figure 1717: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

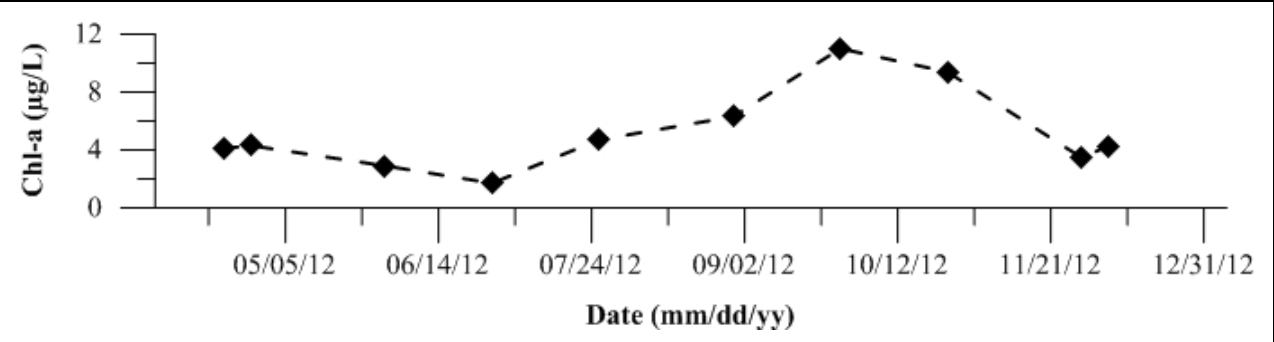


Figure 1718: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

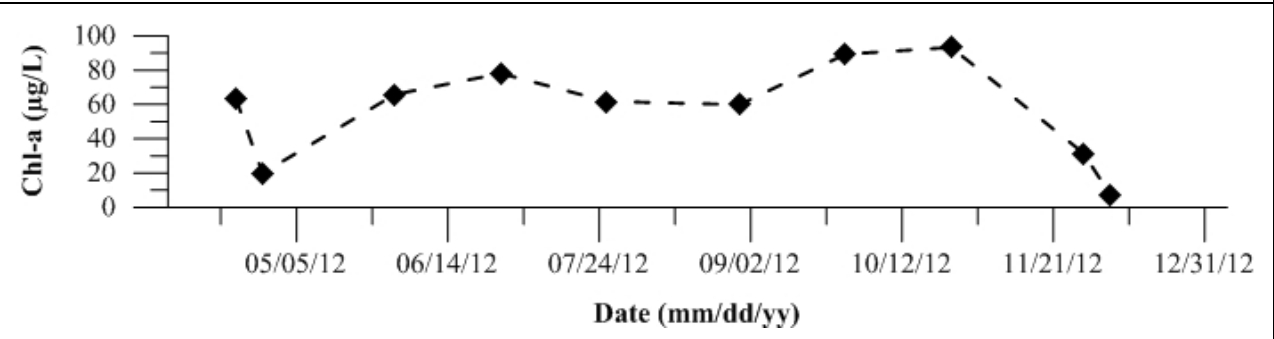


Figure 1719: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

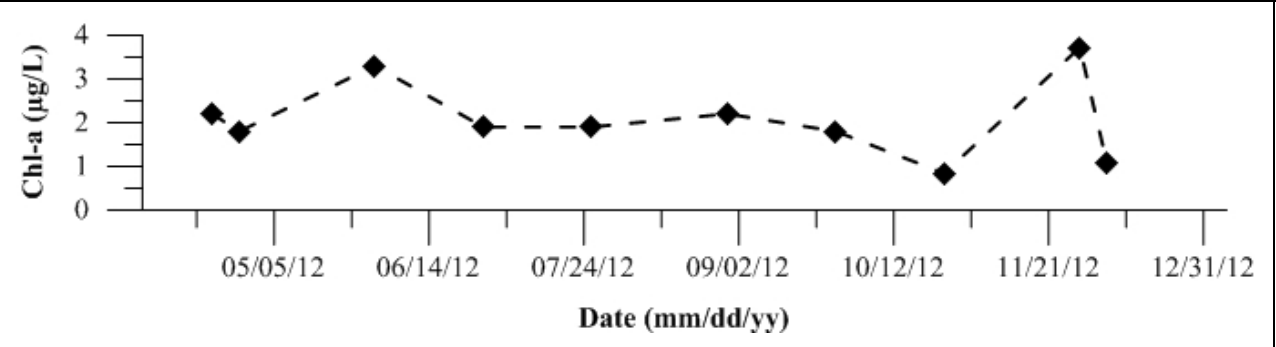


Figure 1720: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

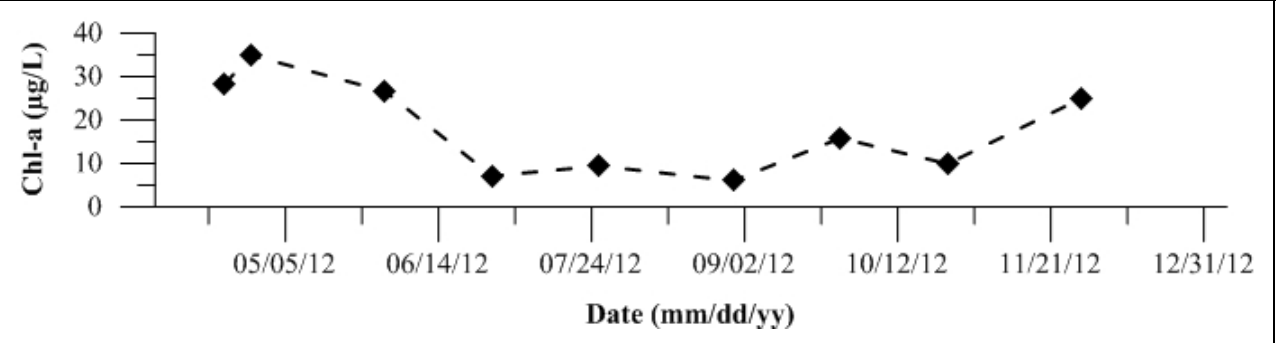


Figure 1721: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 424 14mi Slough. Data collected in 2012.

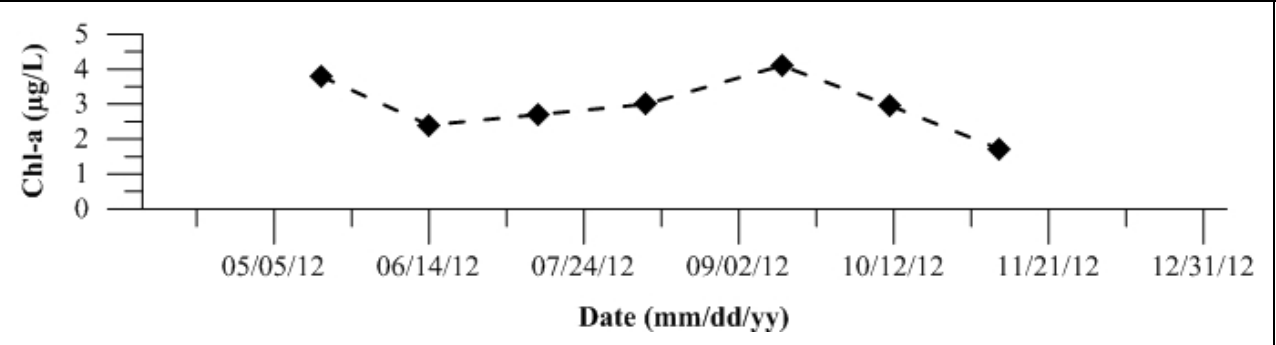


Figure 1722: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 425 Turner Cut. Data collected in 2012.

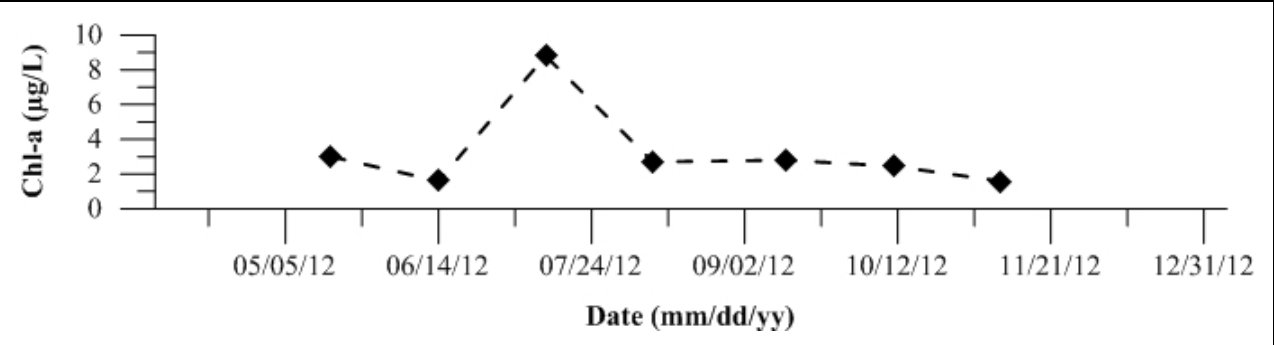


Figure 1723: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

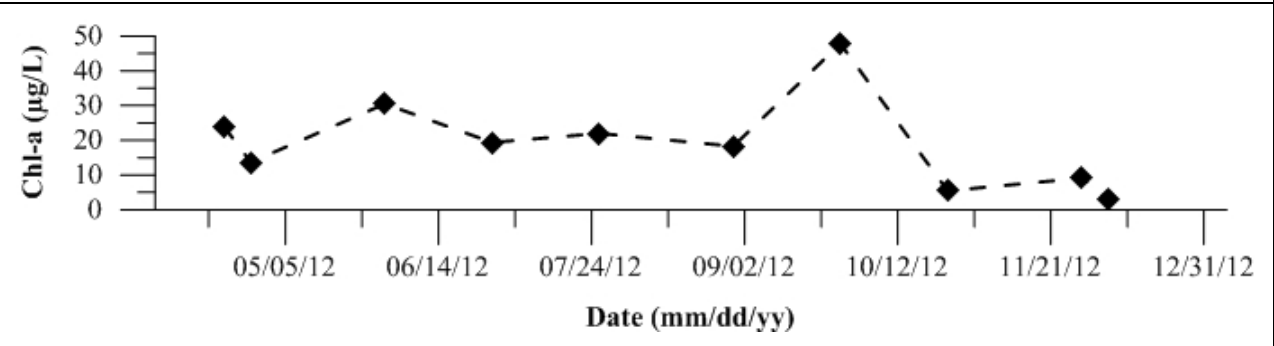


Figure 1724: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 427 RM 39 Near Louis Park. Data collected in 2012.

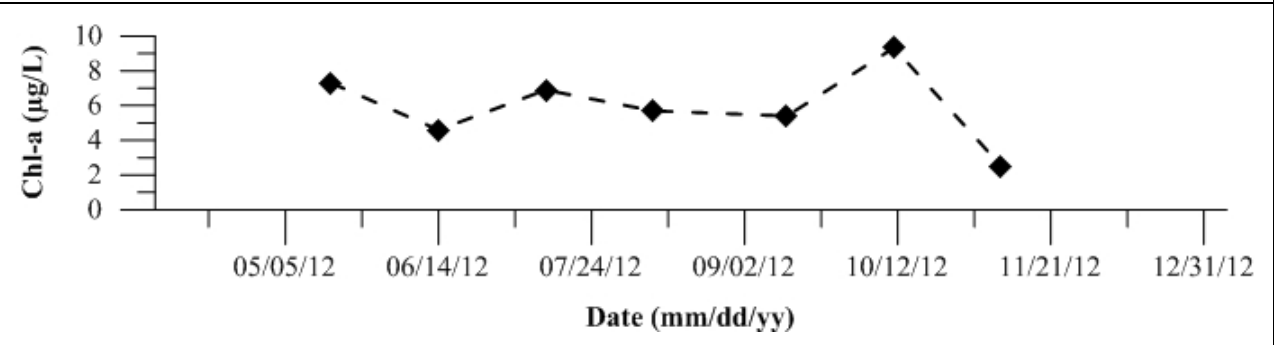


Figure 1725: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

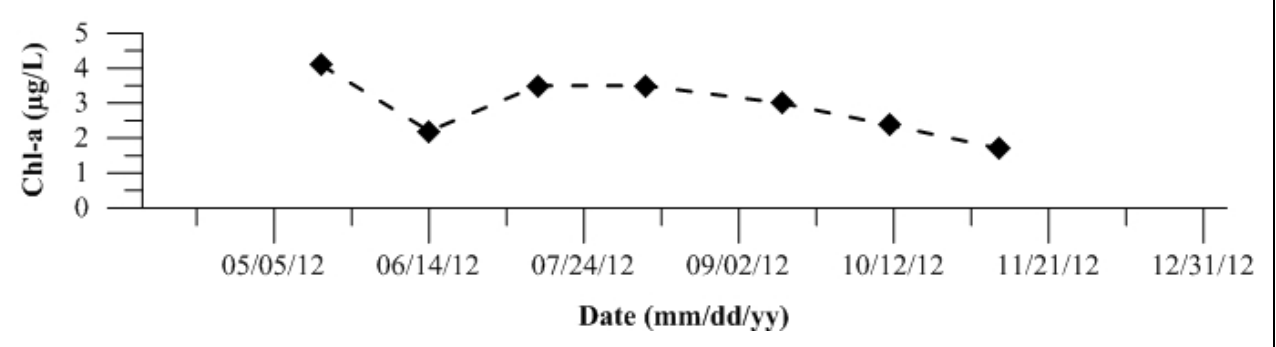
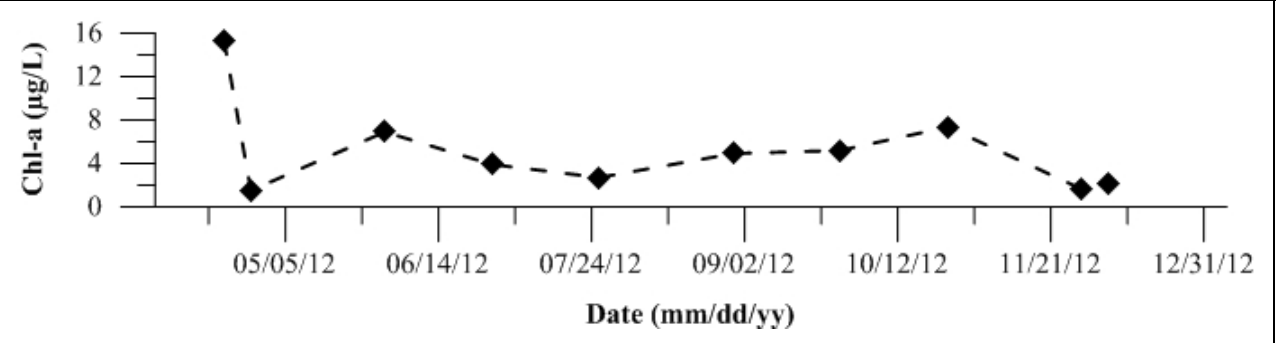


Figure 1726: Chlorophyll a (Chl-a) as determined by trichromatic methods for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1727-1752: Temporal plots of pheophytin by Site ID. The negative values were double checked in the original data. The data was entered correctly, but the way the value is calculated from multiple wave length readings resulted in a few unrealistic values.

Figure 1727: Pheophytin as determined by spectrophotometric methods for Site 2 SJR at Dos Reis Park. Data collected in 2012.

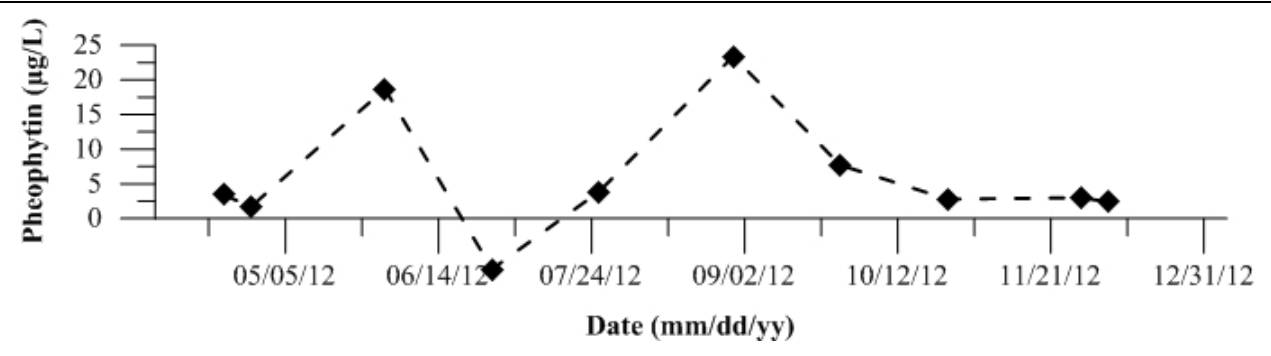


Figure 1728: Pheophytin as determined by spectrophotometric methods for Site 4 SJR at Mossdale. Data collected in 2012.

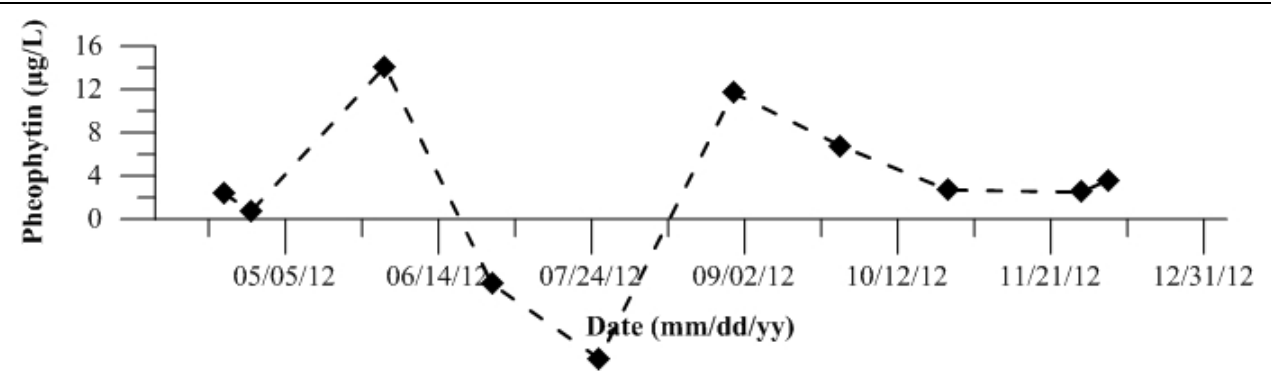


Figure 1729: Pheophytin as determined by spectrophotometric methods for Site 7 SJR at Patterson. Data collected in 2012.

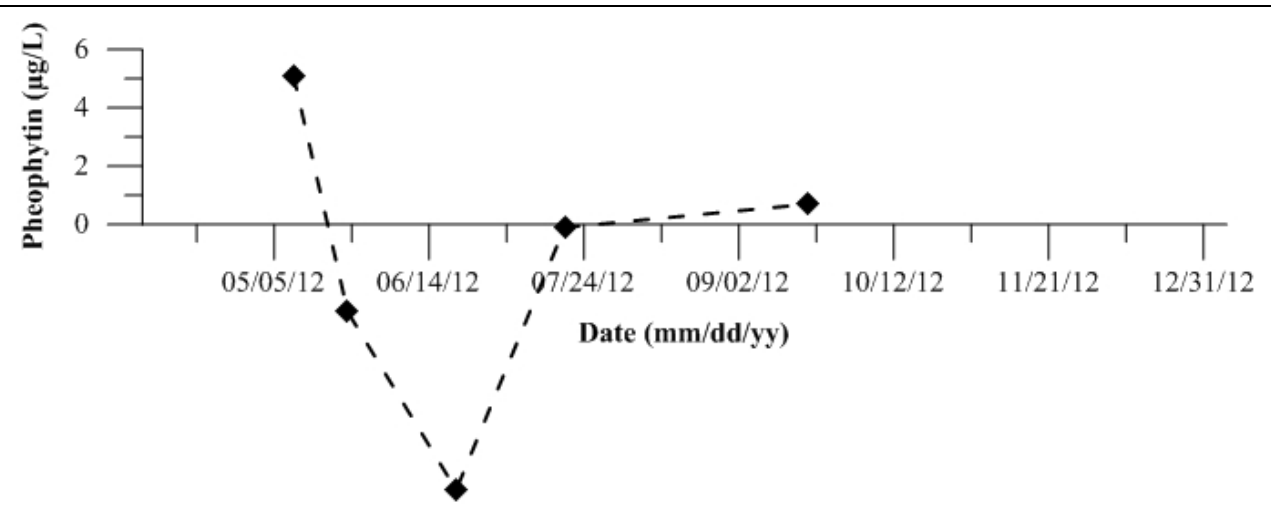


Figure 1730: Pheophytin as determined by spectrophotometric methods for Site 10 SJR at Lander Avenue. Data collected in 2012.

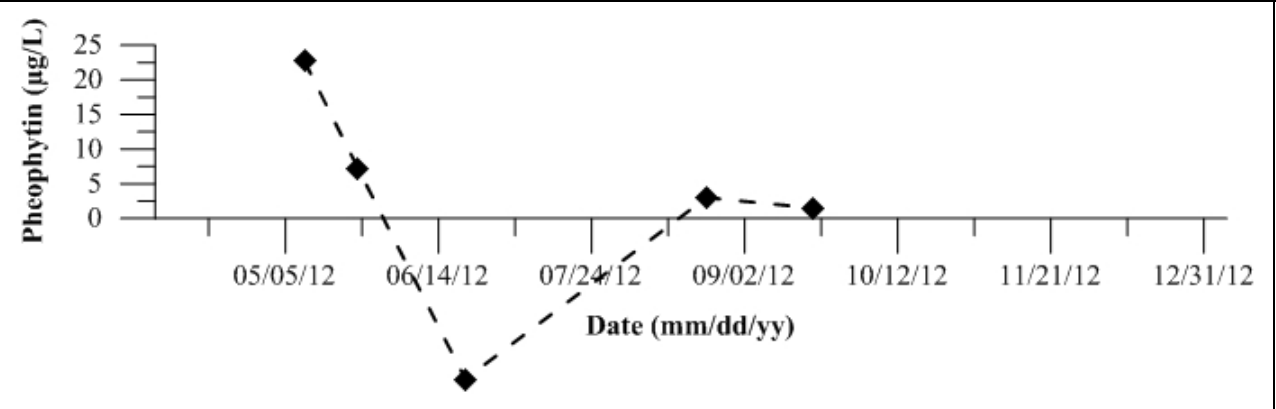


Figure 1731: Pheophytin as determined by spectrophotometric methods for Site 11 French Camp Slough. Data collected in 2012.

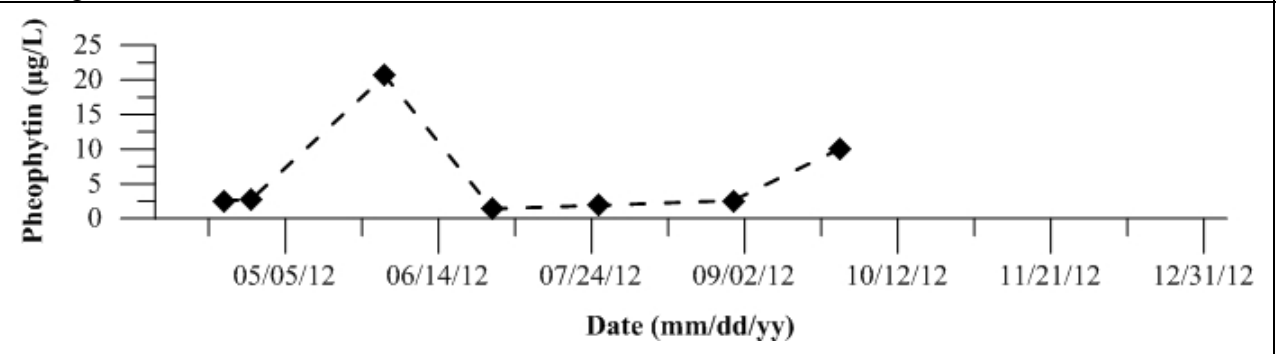


Figure 1732: Pheophytin as determined by spectrophotometric methods for Site 16 Merced River at River Road. Data collected in 2012.

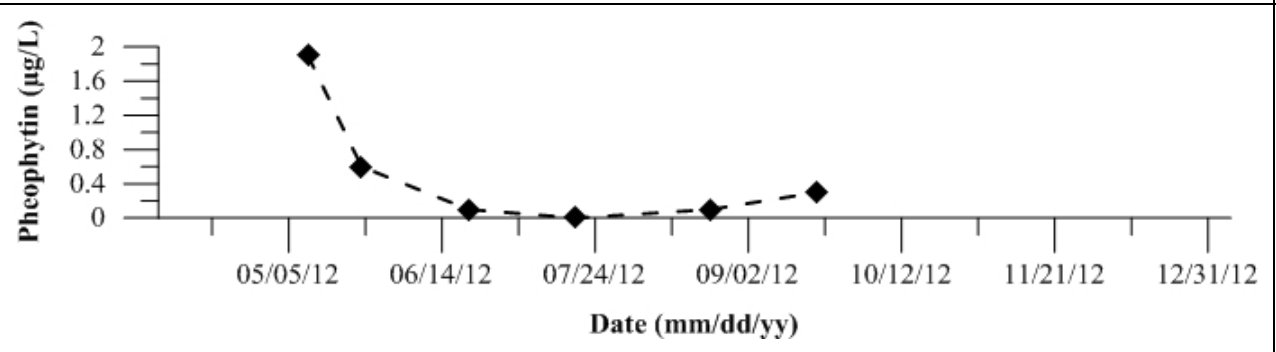


Figure 1733: Pheophytin as determined by spectrophotometric methods for Site 18 Mud Slough near Gustine. Data collected in 2012.

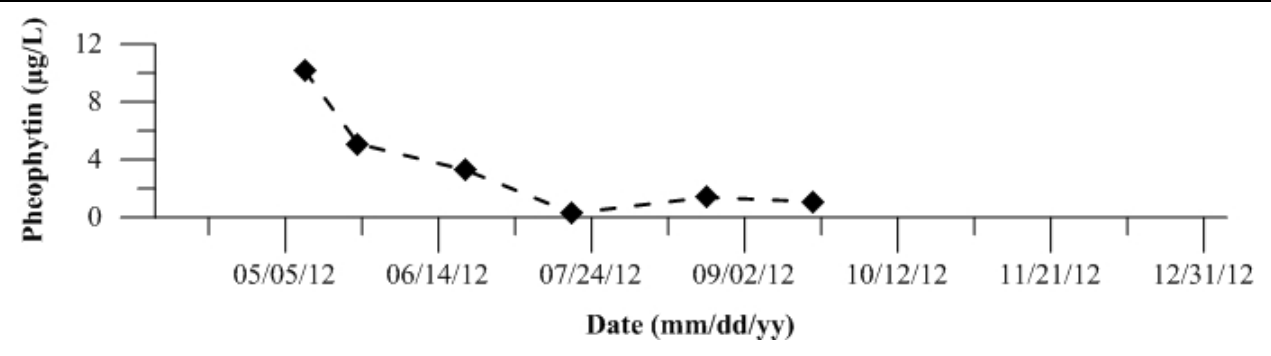


Figure 1734: Pheophytin as determined by spectrophotometric methods for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

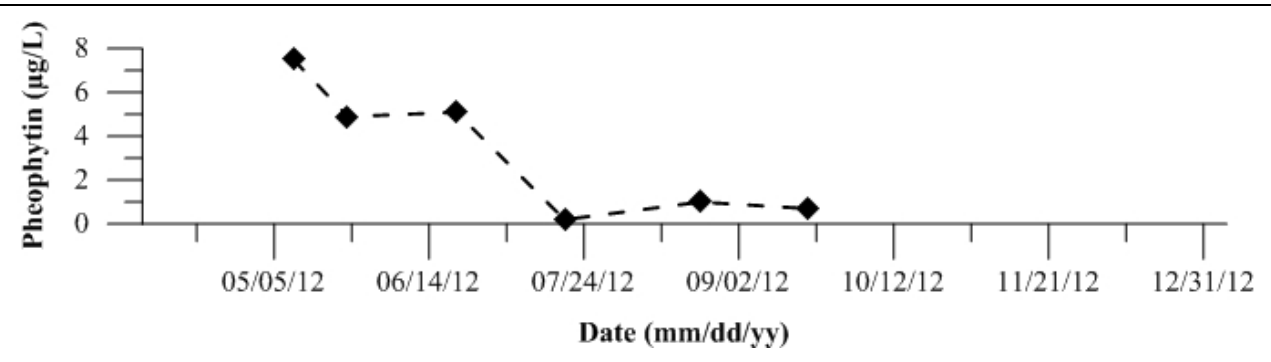


Figure 1735: Pheophytin as determined by spectrophotometric methods for Site 21 Orestimba Creek at River Road. Data collected in 2012.

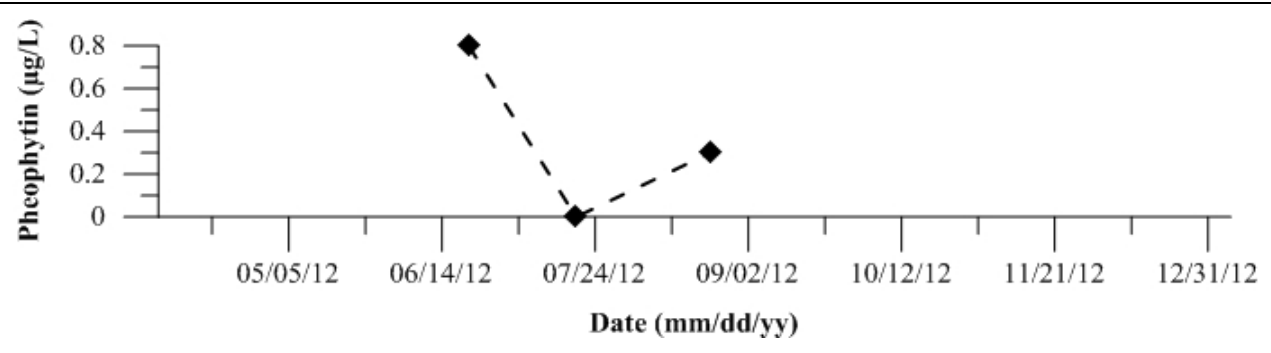


Figure 1736: Pheophytin as determined by spectrophotometric methods for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

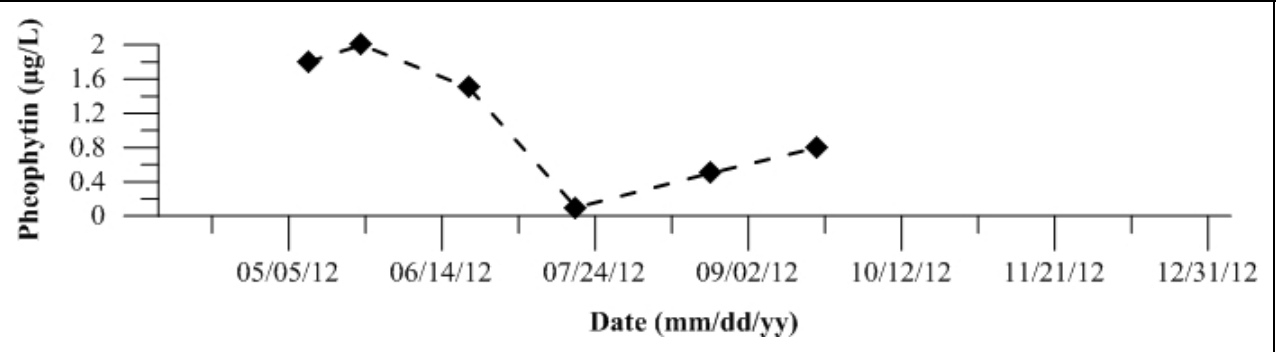


Figure 1737: Pheophytin as determined by spectrophotometric methods for Site 34 Ingram Creek. Data collected in 2012.

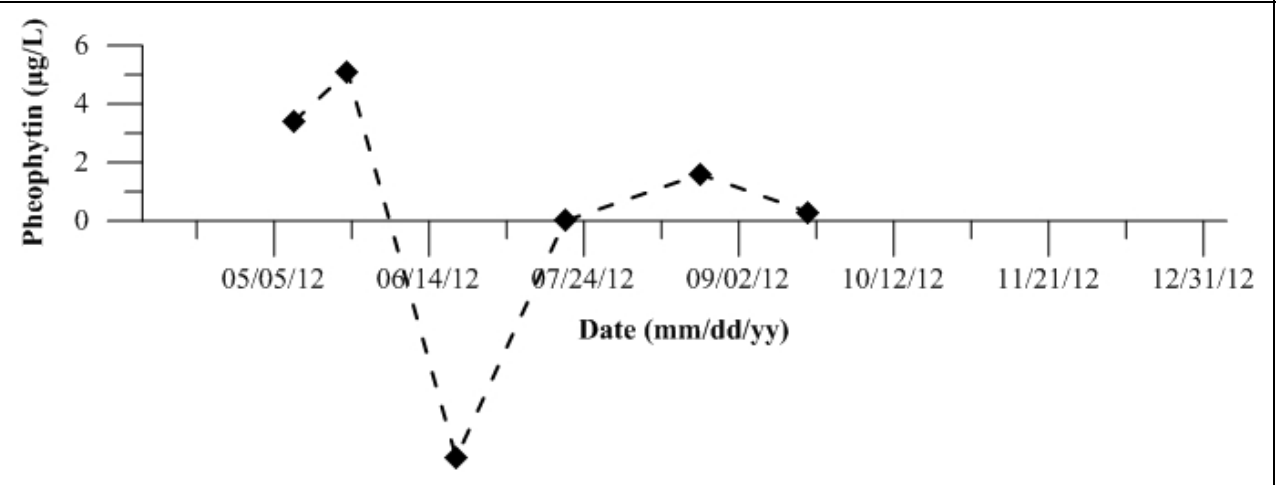


Figure 1738: Pheophytin as determined by spectrophotometric methods for Site 44 San Luis Drain End. Data collected in 2012.

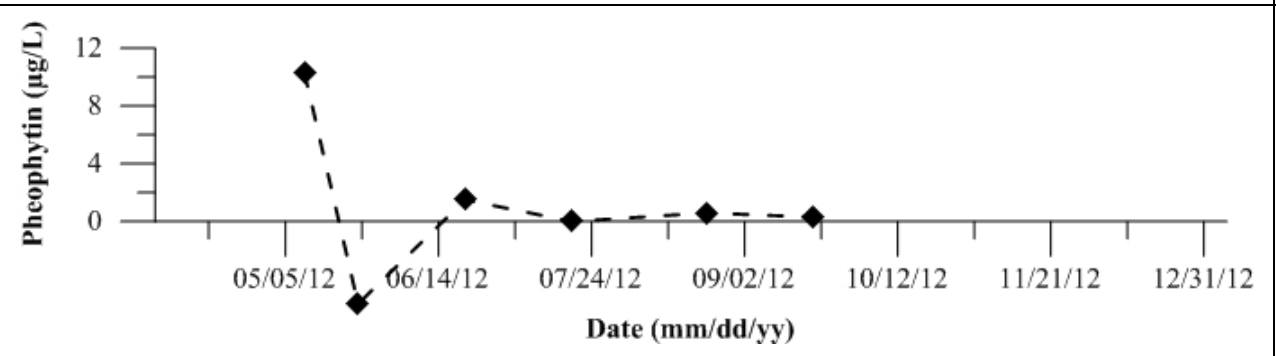


Figure 1739: Pheophytin as determined by spectrophotometric methods for Site 127 SJR at Brant Bridge. Data collected in 2012.

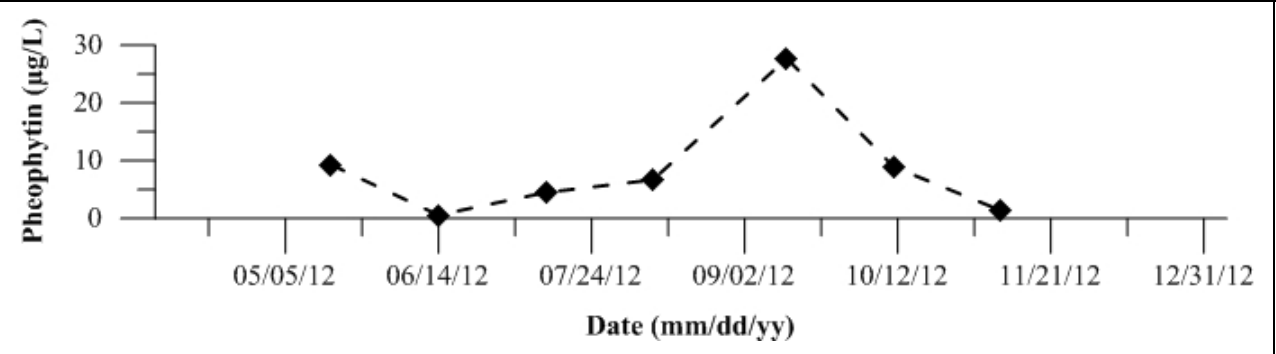


Figure 1740: Pheophytin as determined by spectrophotometric methods for Site 402 Light 18 (Node 96). Data collected in 2012.

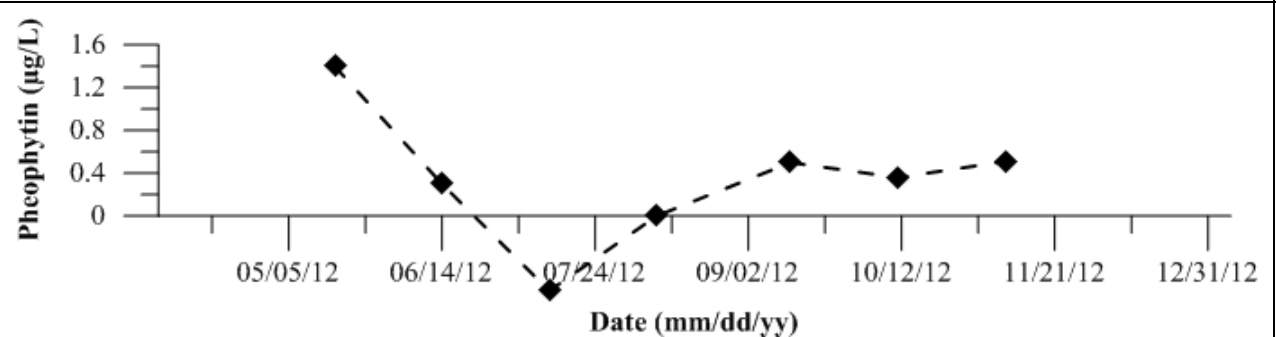


Figure 1741: Pheophytin as determined by spectrophotometric methods for Site 405 Calaveras River. Data collected in 2012.

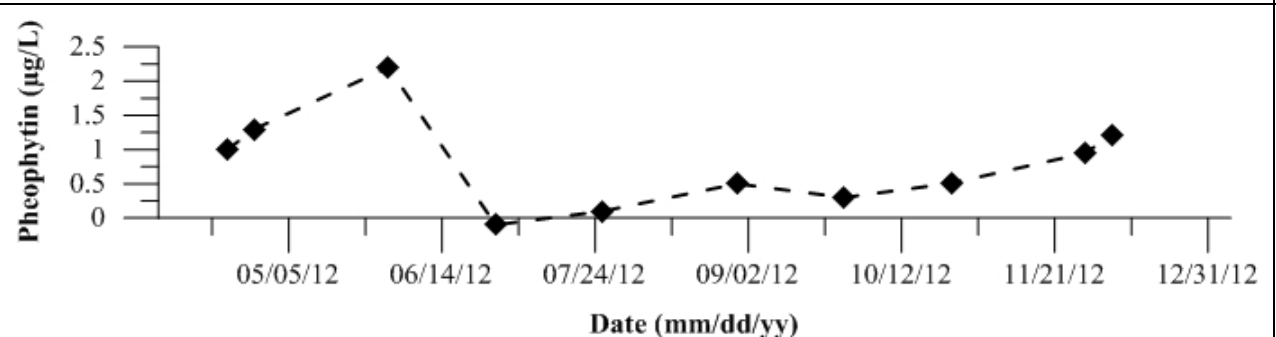


Figure 1742: Pheophytin as determined by spectrophotometric methods for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

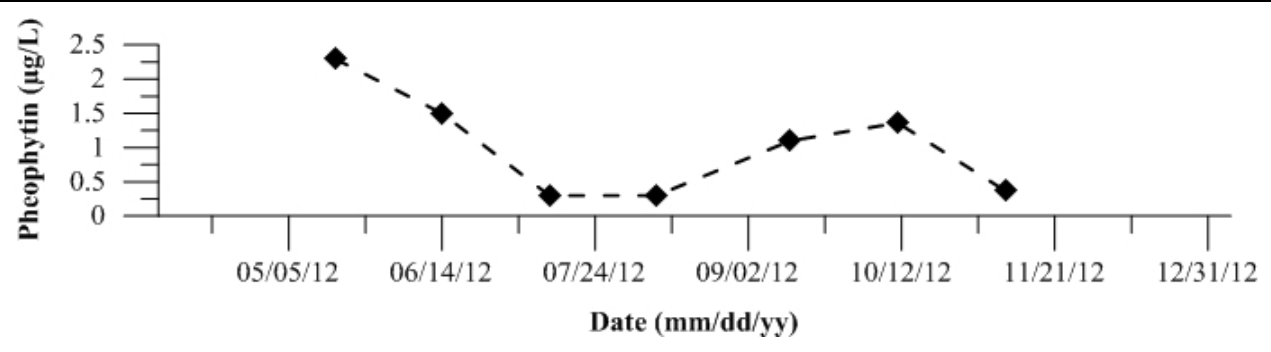


Figure 1743: Pheophytin as determined by spectrophotometric methods for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

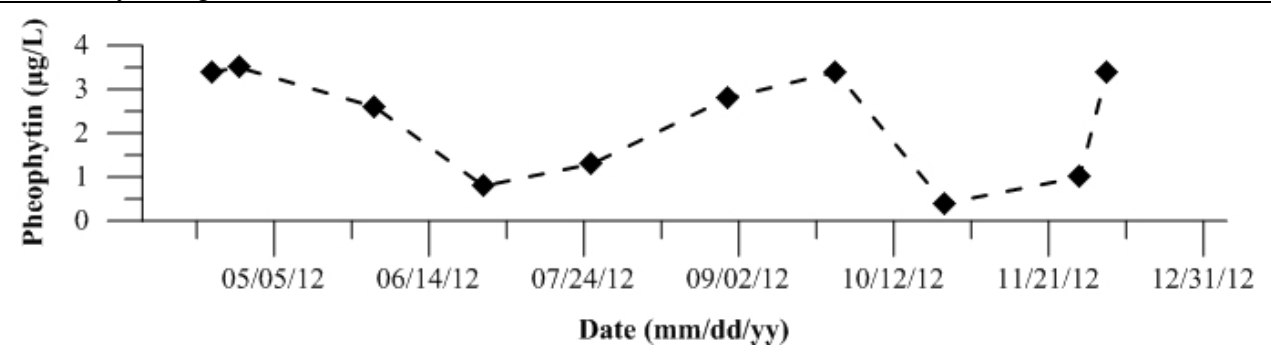


Figure 1744: Pheophytin as determined by spectrophotometric methods for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

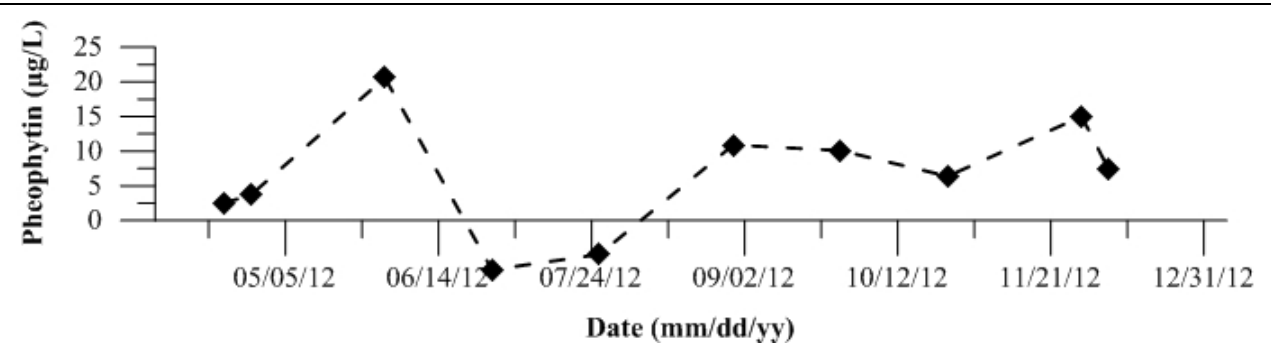


Figure 1745: Pheophytin as determined by spectrophotometric methods for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

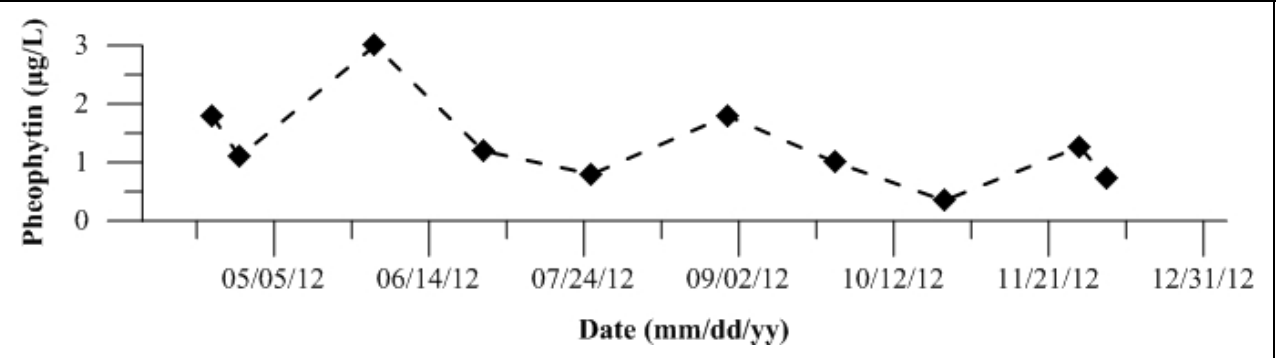


Figure 1746: Pheophytin as determined by spectrophotometric methods for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

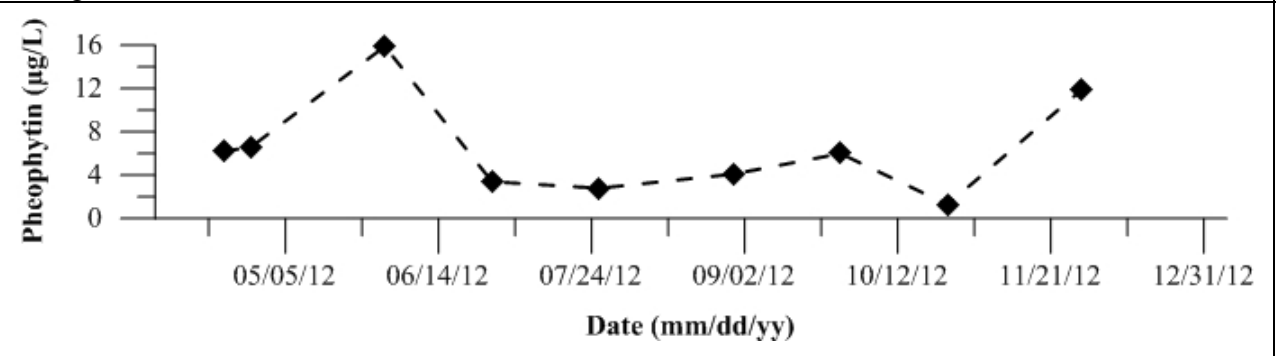


Figure 1747: Pheophytin as determined by spectrophotometric methods for Site 424 14mi Slough. Data collected in 2012.

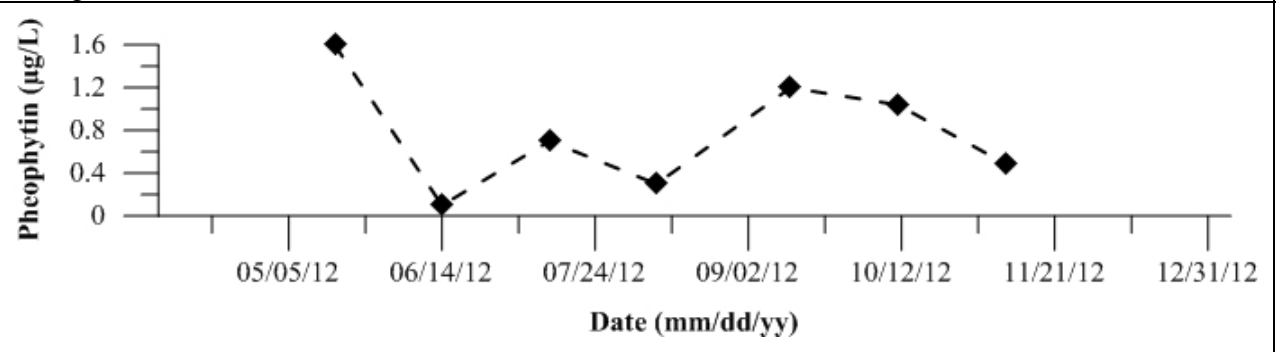


Figure 1748: Pheophytin as determined by spectrophotometric methods for Site 425 Turner Cut. Data collected in 2012.

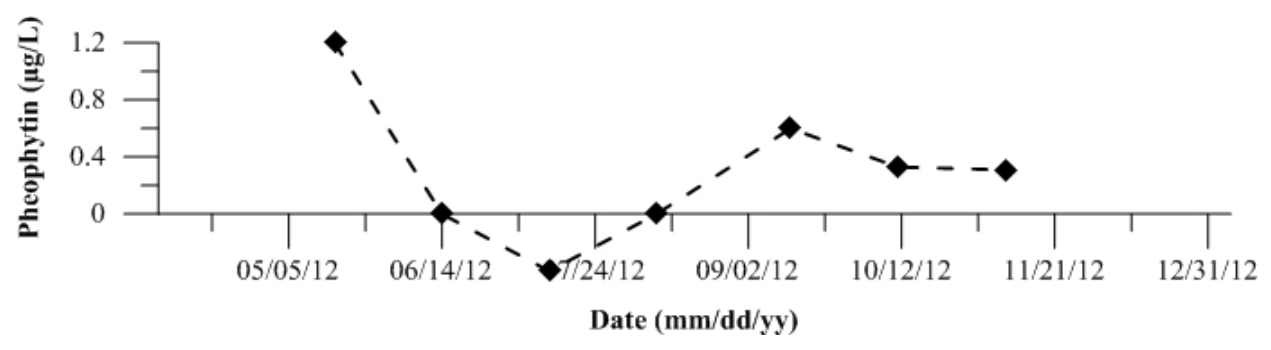


Figure 1749: Pheophytin as determined by spectrophotometric methods for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

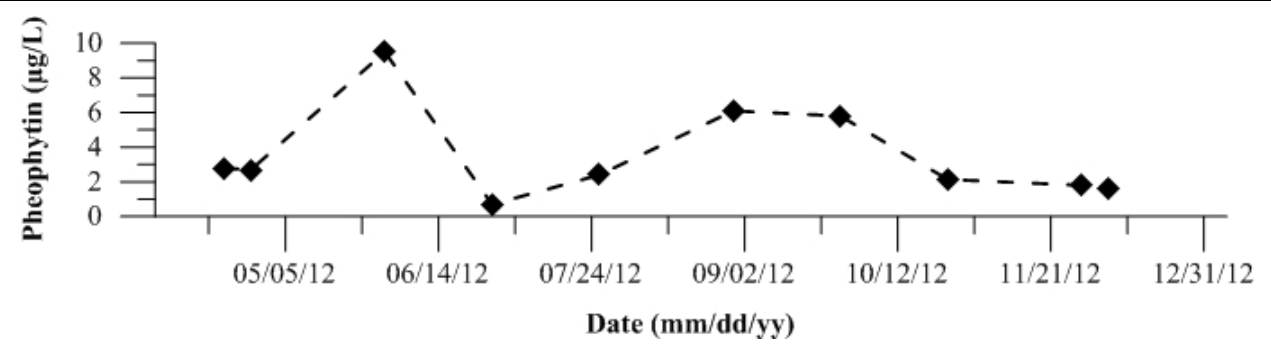


Figure 1750: Pheophytin as determined by spectrophotometric methods for Site 427 RM 39 Near Louis Park. Data collected in 2012.

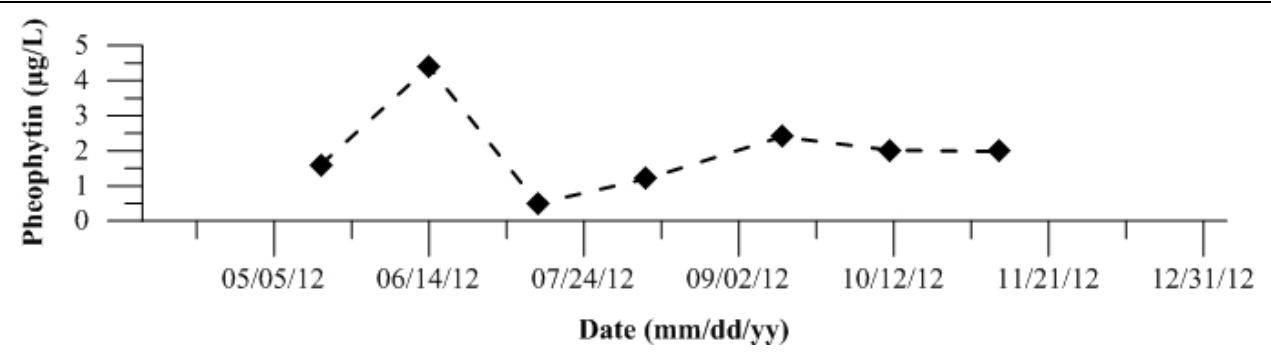


Figure 1751: Pheophytin as determined by spectrophotometric methods for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

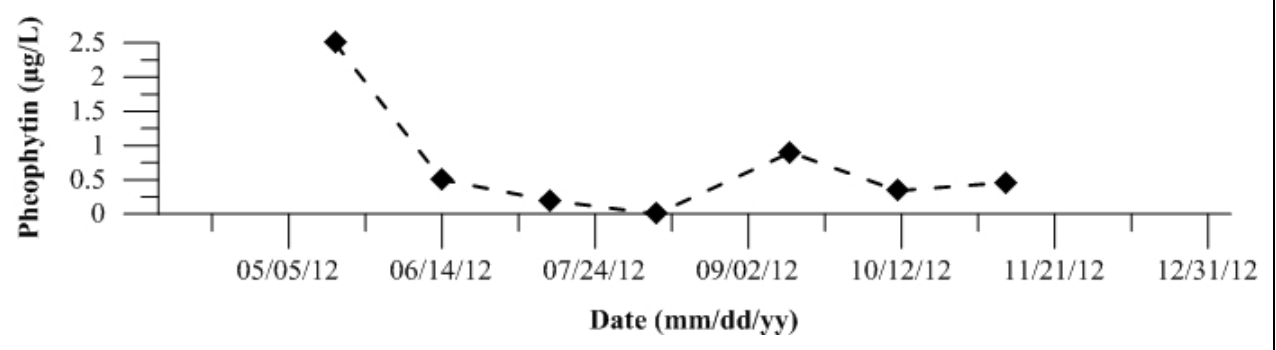
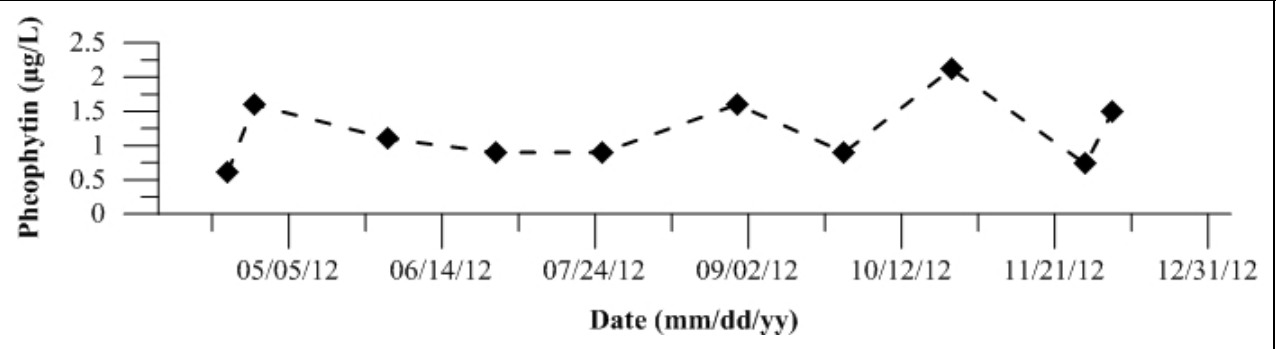


Figure 1752: Pheophytin as determined by spectrophotometric methods for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1753-1778: Temporal plots of algal pigments by Site ID

Figure 1753: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 2 SJR at Dos Reis Park. Data collected in 2012.

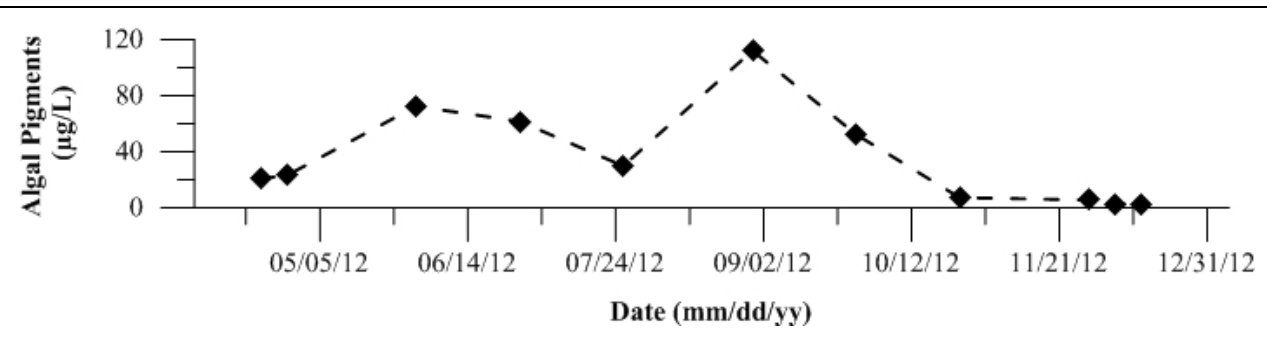


Figure 1754: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 4 SJR at Mossdale. Data collected in 2012.

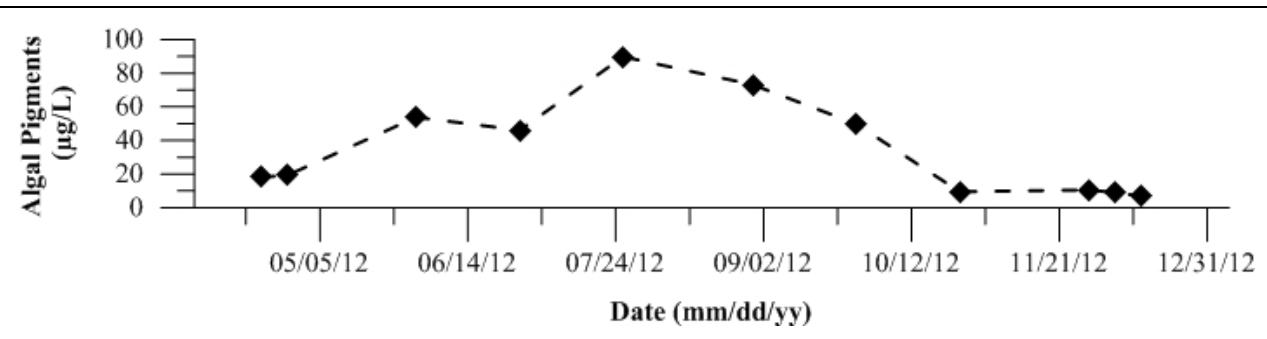


Figure 1755: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 7 SJR at Patterson. Data collected in 2012.

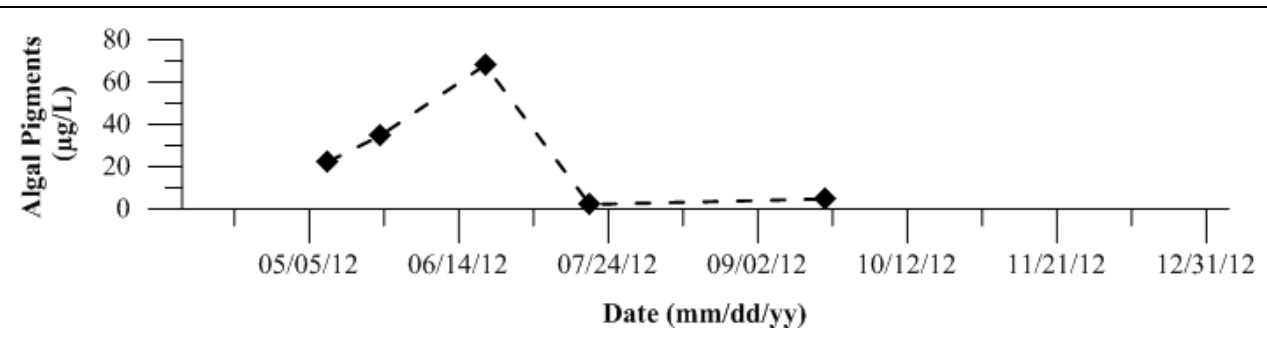


Figure 1756: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 10 SJR at Lander Avenue. Data collected in 2012.

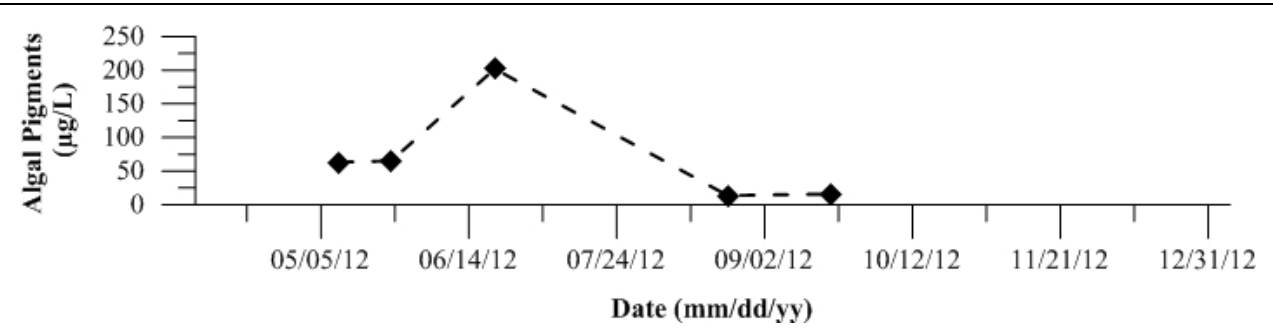


Figure 1757: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 11 French Camp Slough. Data collected in 2012.

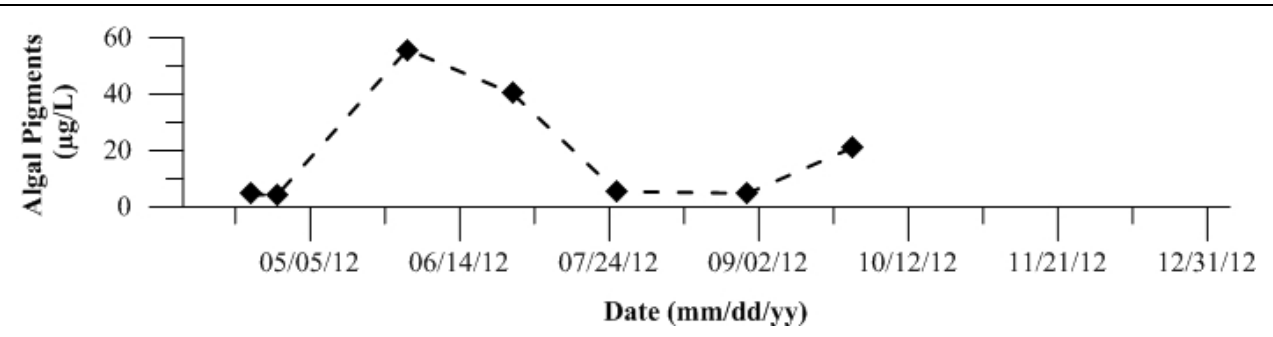


Figure 1758: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 16 Merced River at River Road. Data collected in 2012.

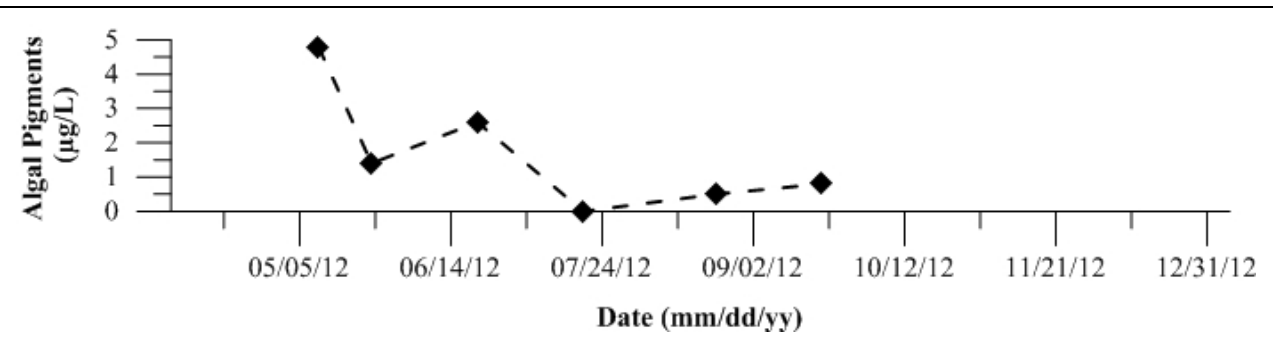


Figure 1759: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 18 Mud Slough near Gustine. Data collected in 2012.

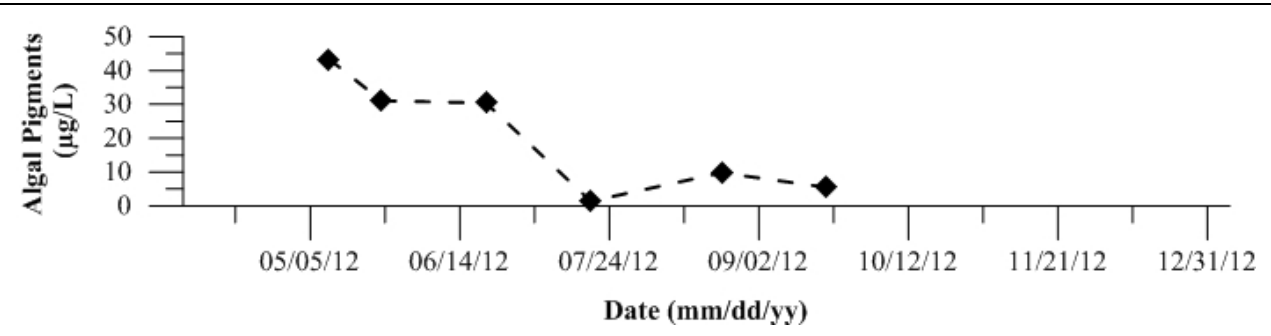


Figure 1760: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

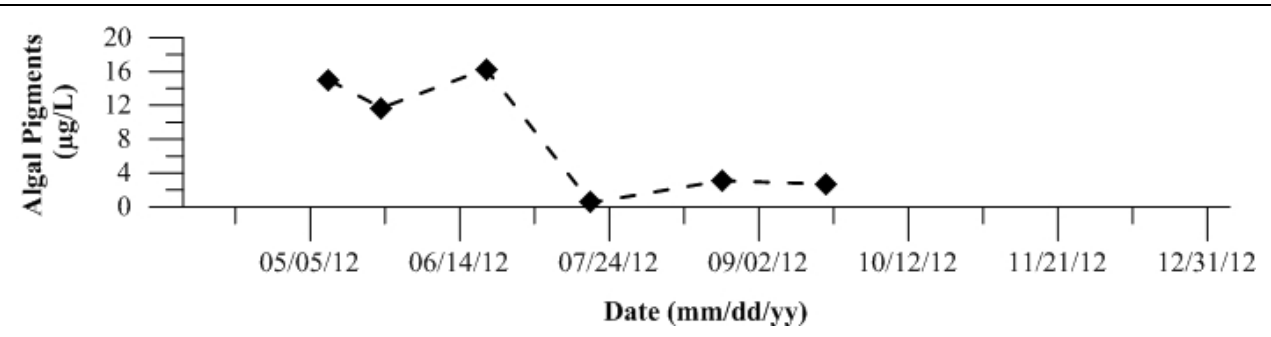


Figure 1761: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 21 Orestimba Creek at River Road. Data collected in 2012.

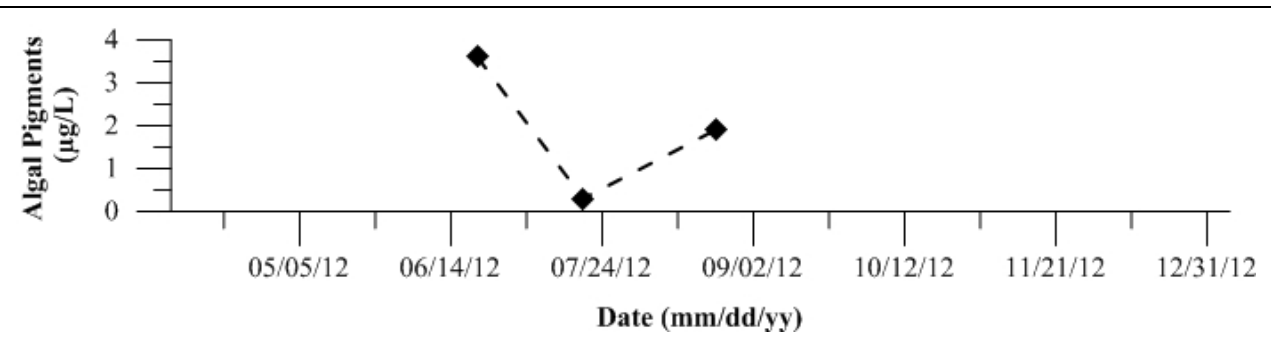


Figure 1762: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

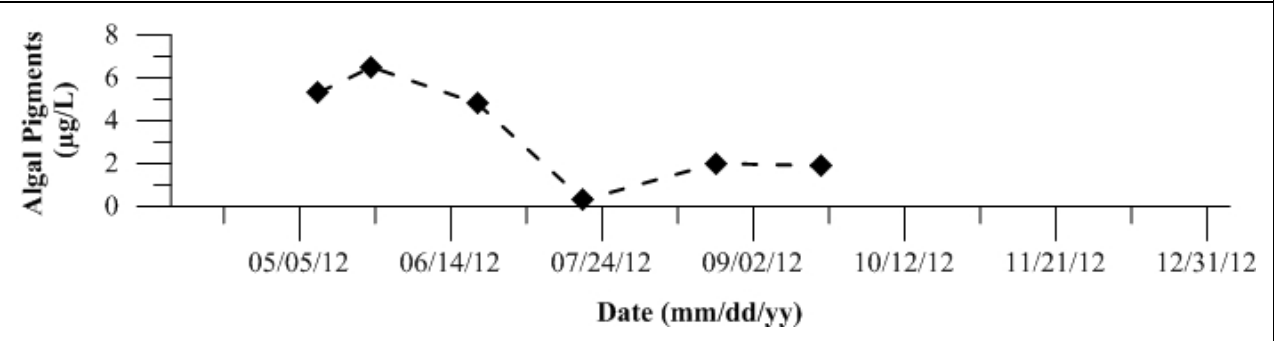


Figure 1763: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 34 Ingram Creek. Data collected in 2012.

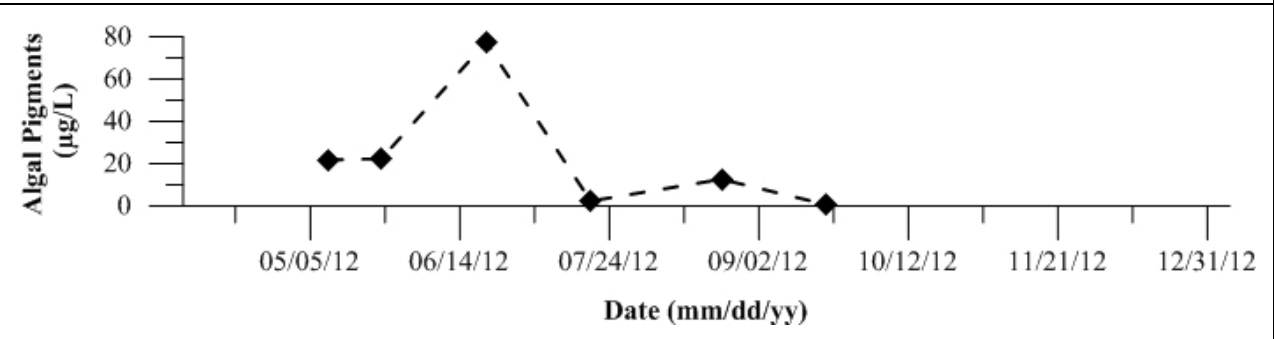


Figure 1764: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 44 San Luis Drain End. Data collected in 2012.

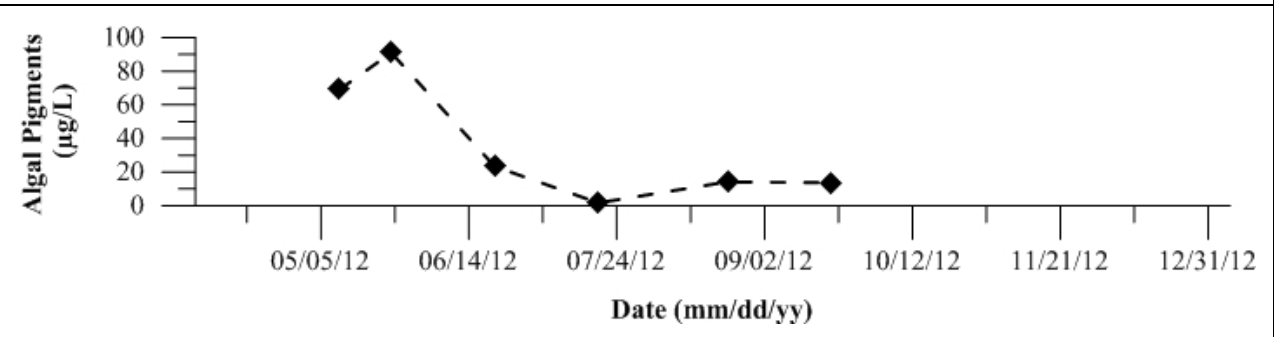


Figure 1765: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 127 SJR at Brant Bridge. Data collected in 2012.

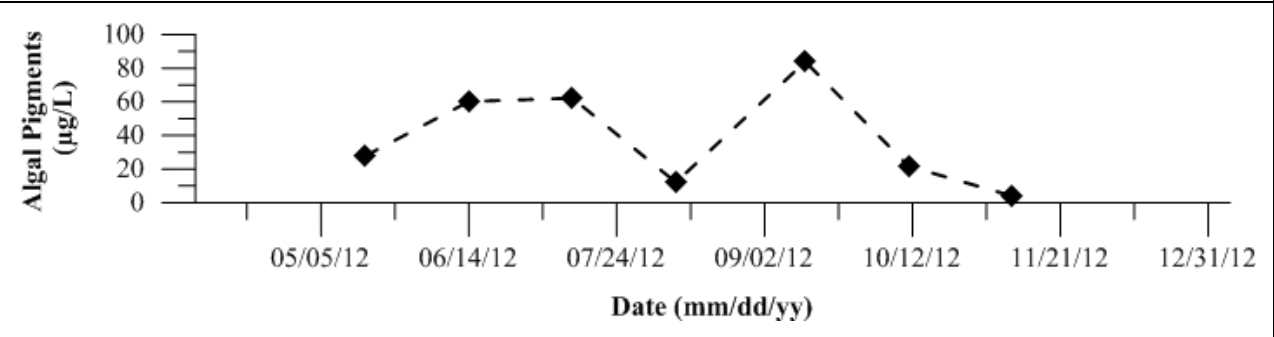


Figure 1766: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 402 Light 18 (Node 96). Data collected in 2012.

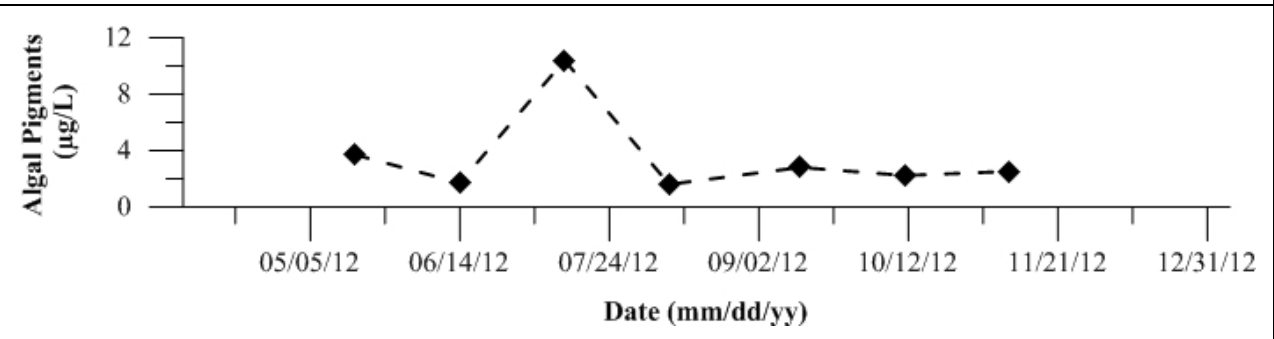


Figure 1767: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 405 Calaveras River. Data collected in 2012.

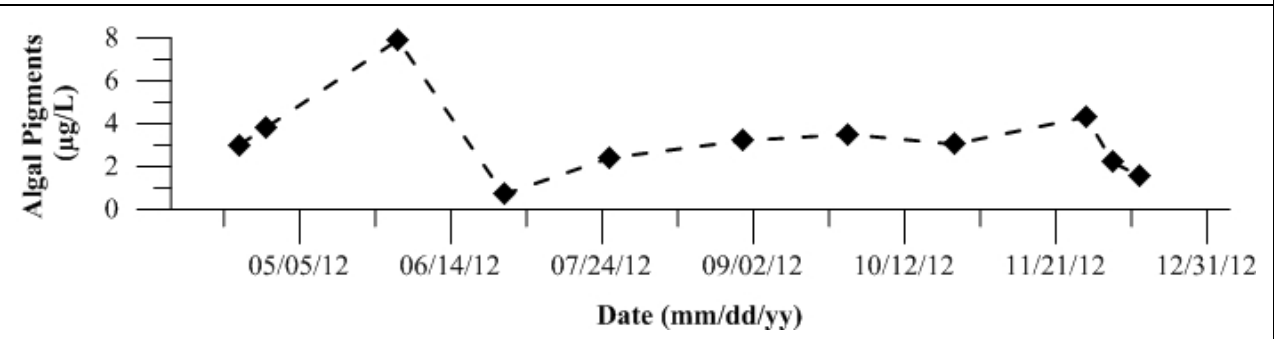


Figure 1768: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

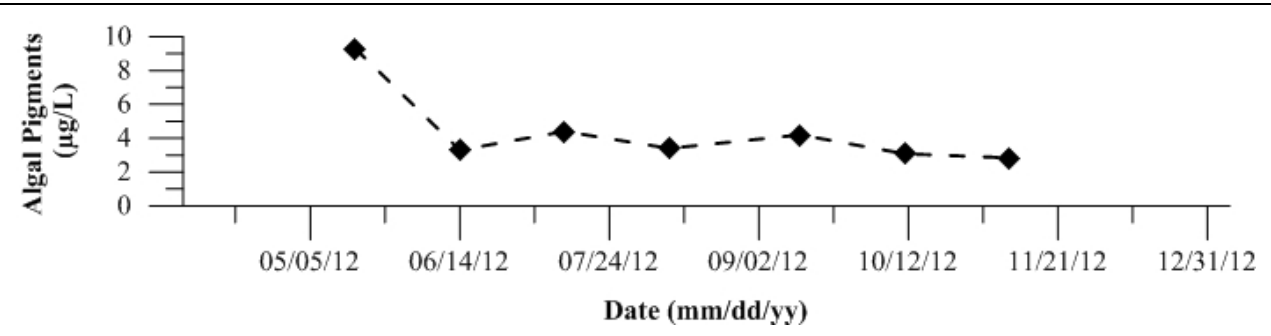


Figure 1769: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

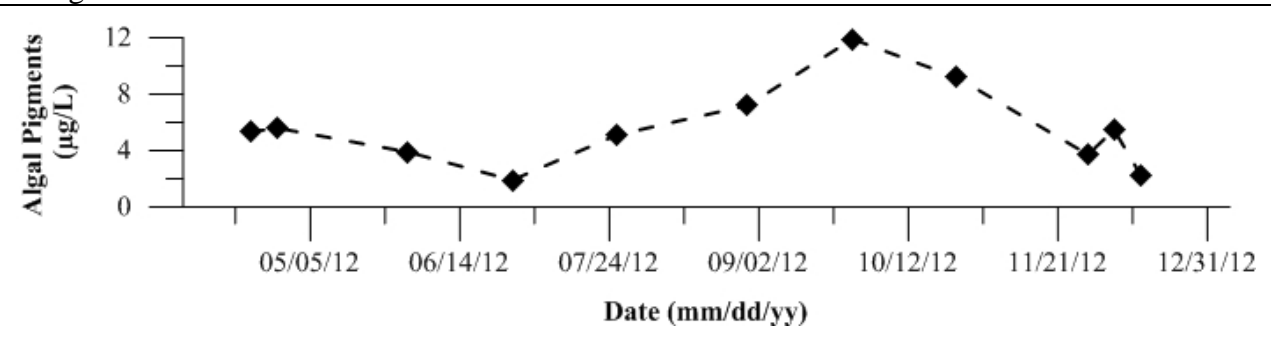


Figure 1770: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

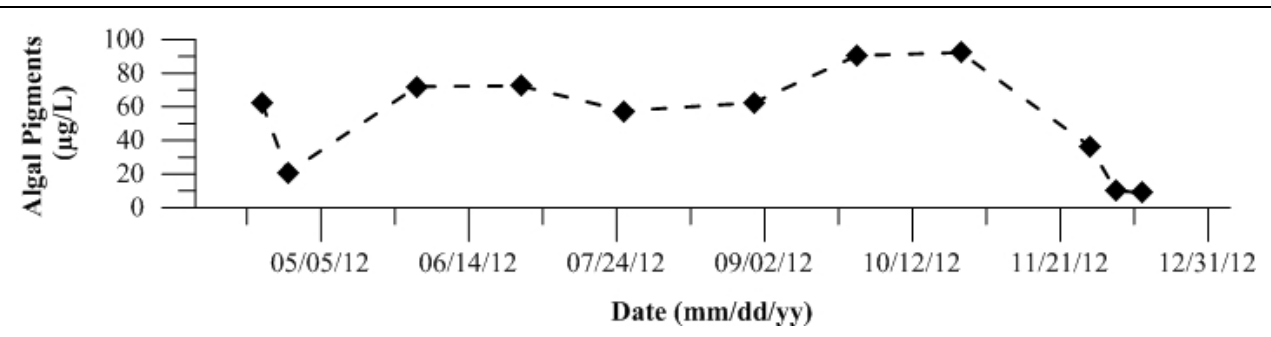


Figure 1771: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

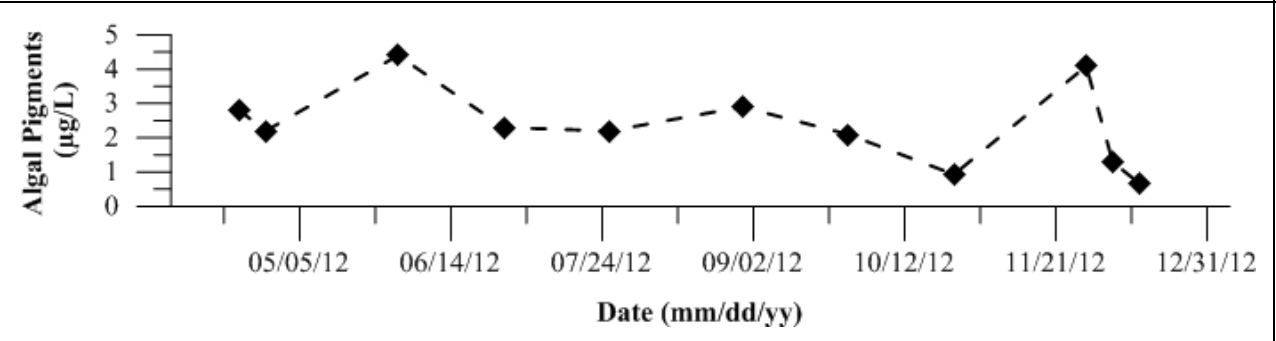


Figure 1772: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

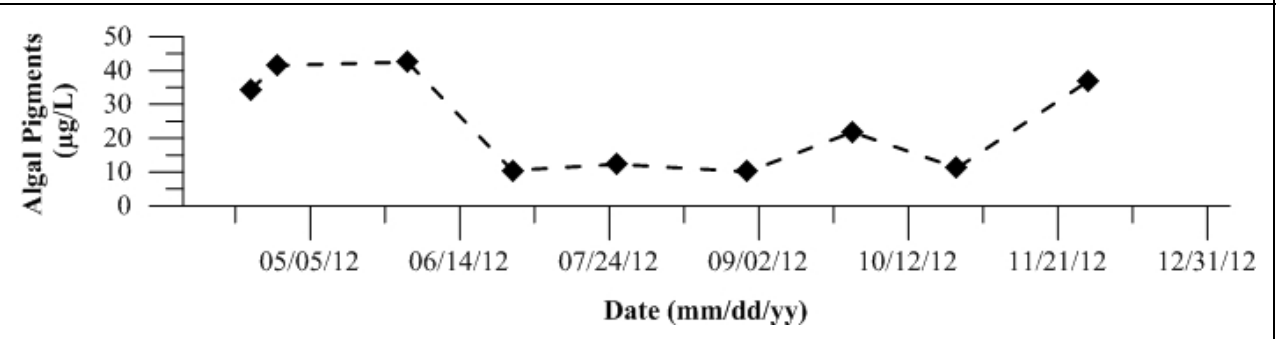


Figure 1773: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 424 14mi Slough. Data collected in 2012.

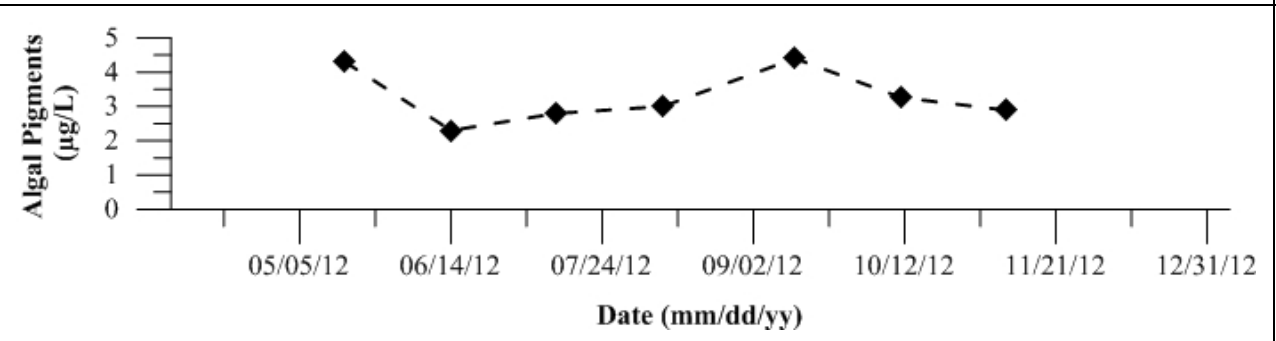


Figure 1774: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 425 Turner Cut. Data collected in 2012.

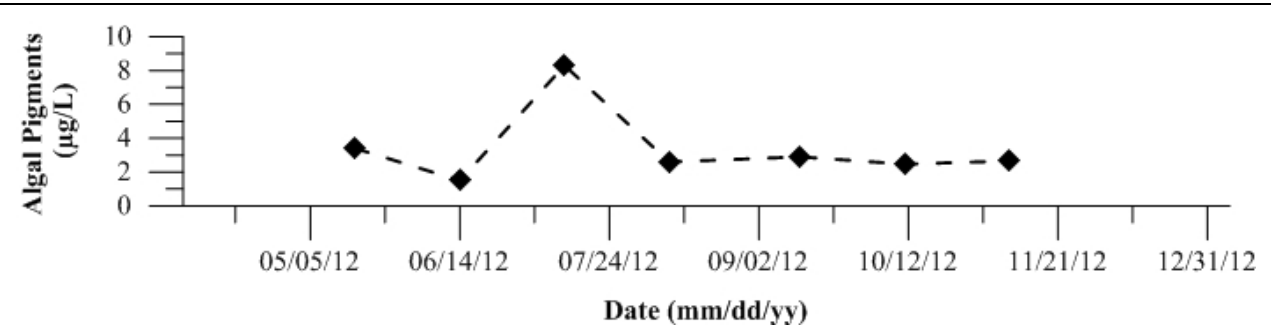


Figure 1775: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

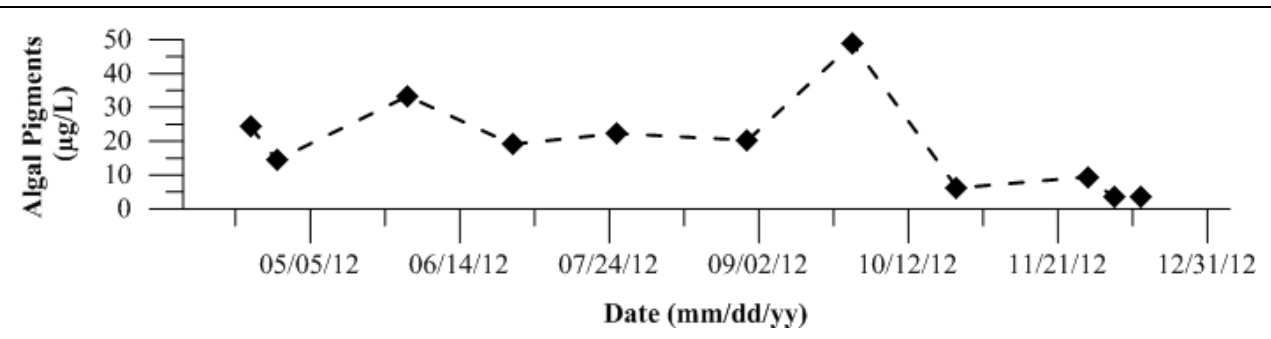


Figure 1776: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 427 RM 39 Near Louis Park. Data collected in 2012.

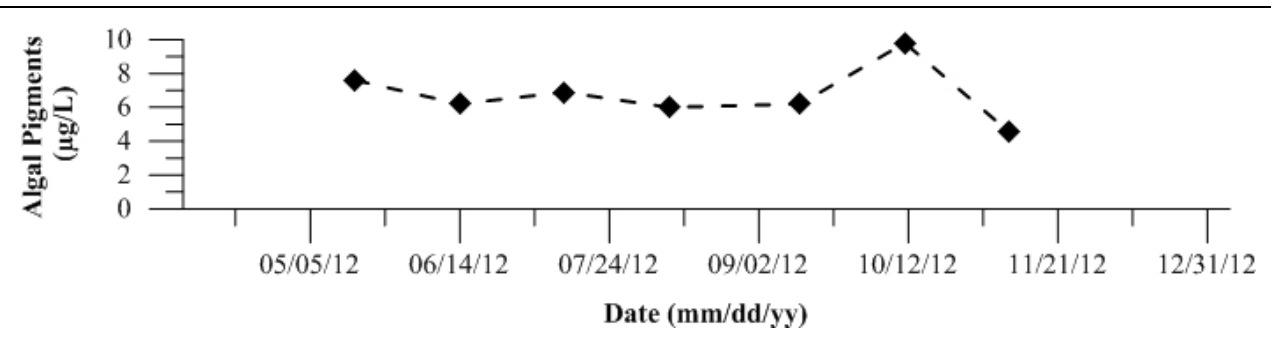


Figure 1777: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

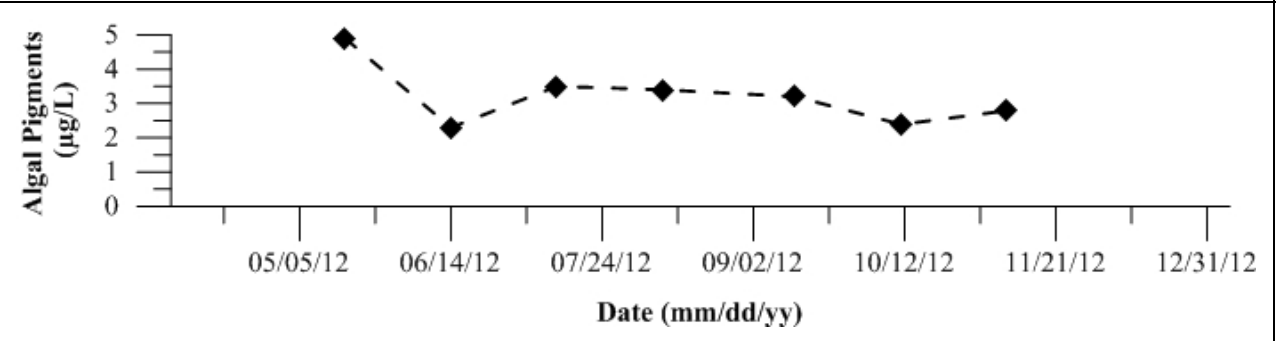
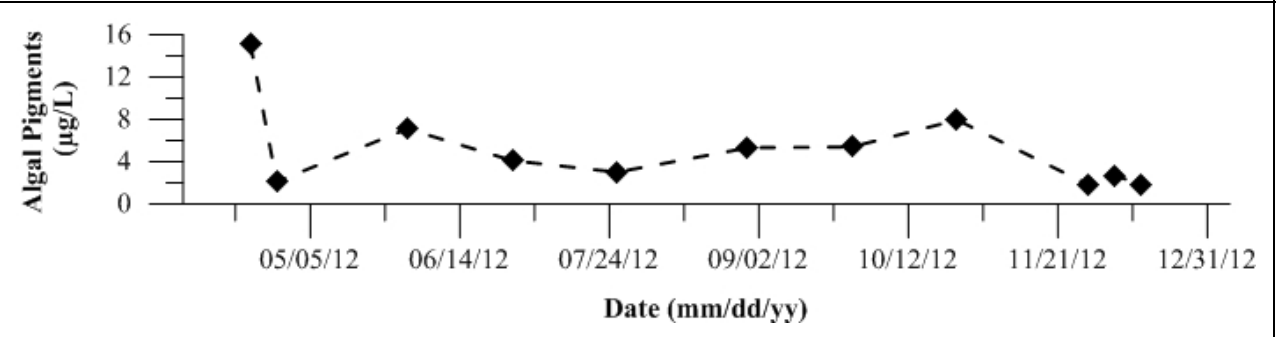


Figure 1778: Algal pigments as determined by the summation of chlorophyll a, chlorophyll b, and chlorophyll c by means of trichromatic determination for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1779-1804: Temporal plots of dissolved silica by Site ID

Figure 1779: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 2 SJR at Dos Reis Park. Data collected in 2012.

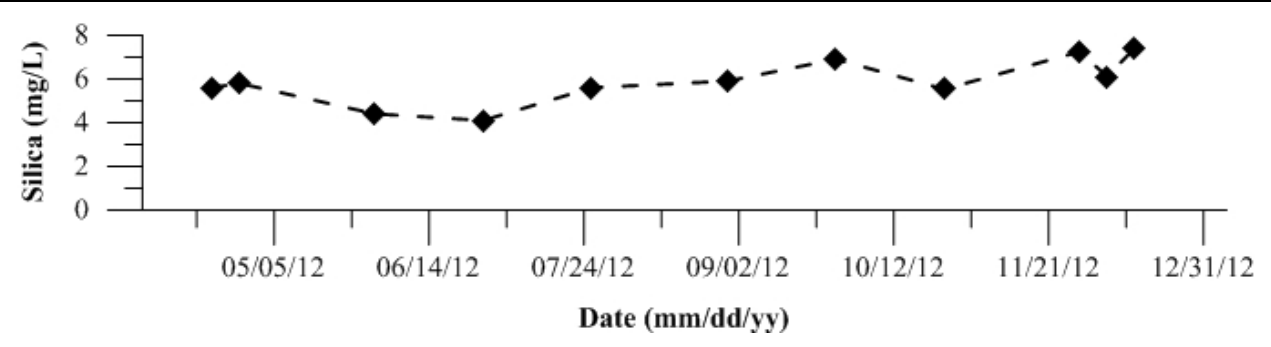


Figure 1780: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 4 SJR at Mossdale. Data collected in 2012.

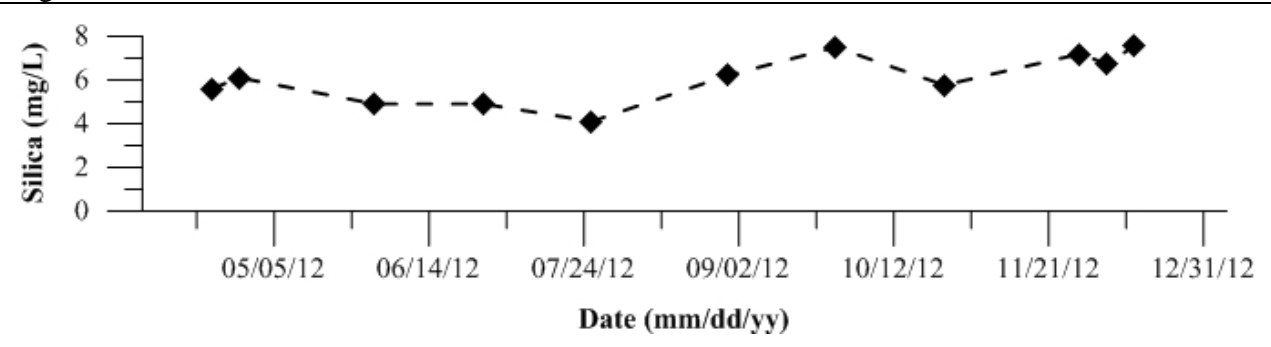


Figure 1781: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 7 SJR at Patterson. Data collected in 2012.

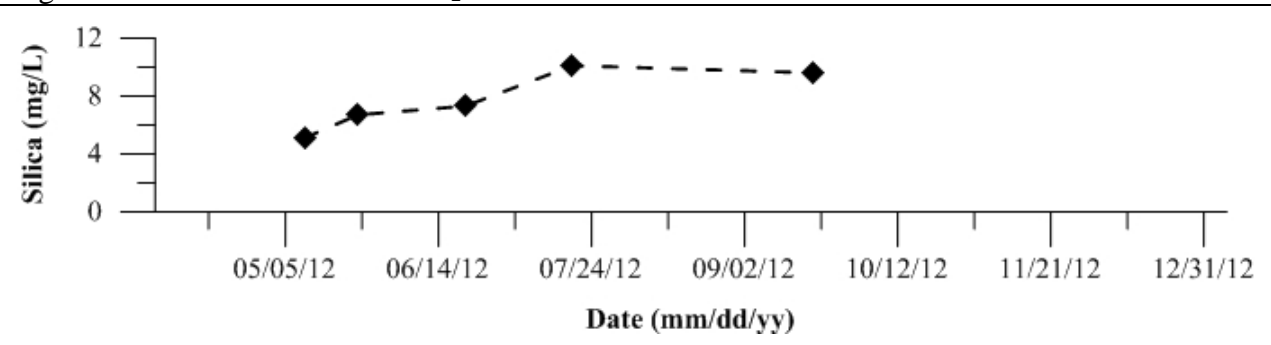


Figure 1782: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 10 SJR at Lander Avenue. Data collected in 2012.

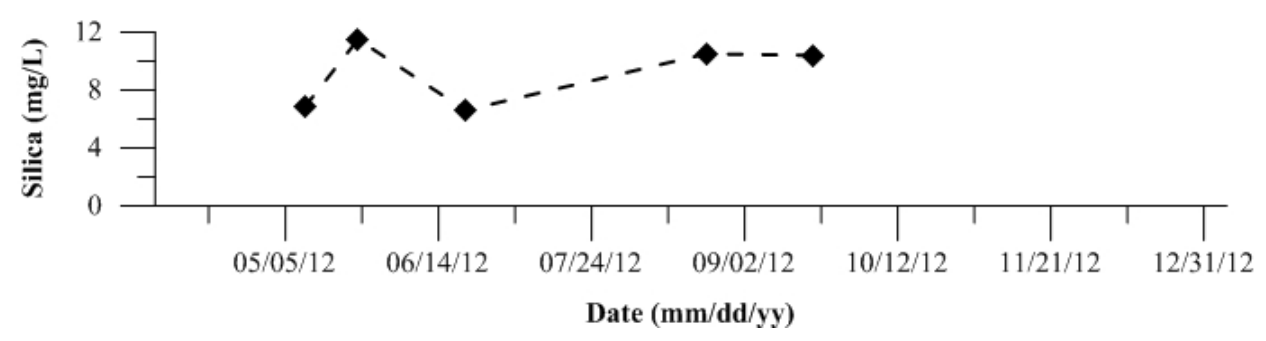


Figure 1783: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 11 French Camp Slough. Data collected in 2012.

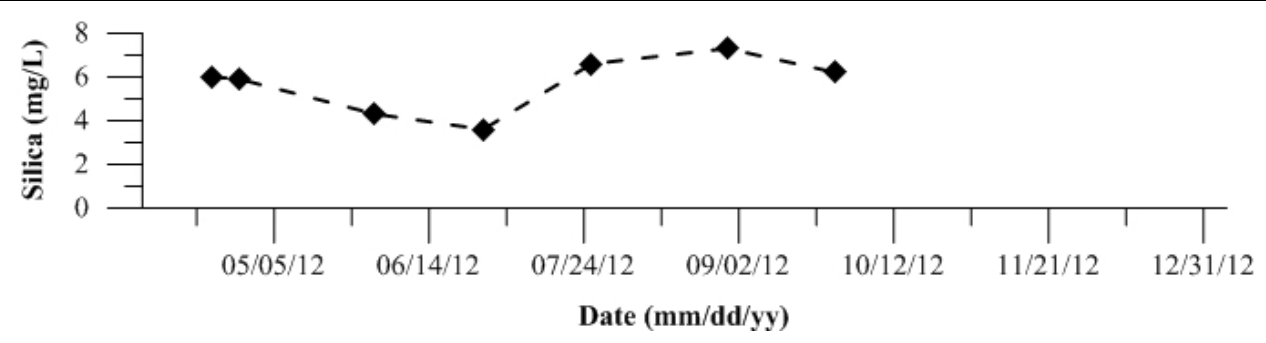


Figure 1784: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 16 Merced River at River Road. Data collected in 2012.

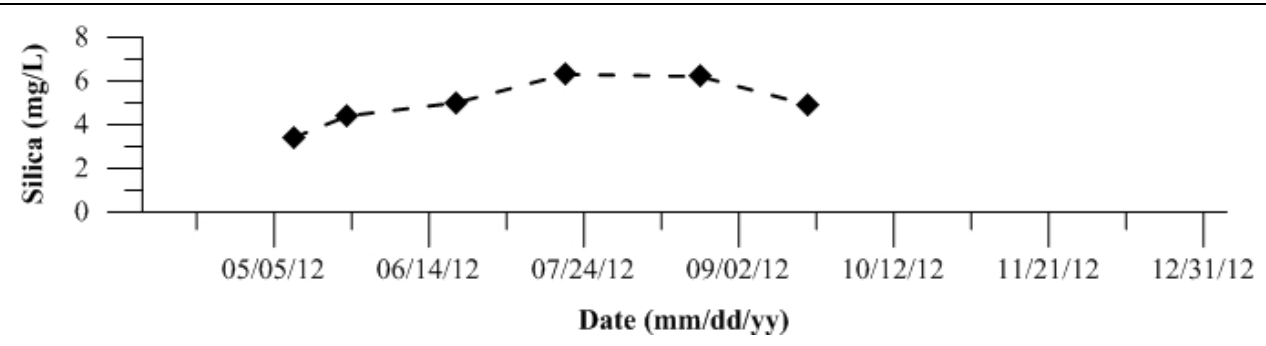


Figure 1785: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 18 Mud Slough near Gustine. Data collected in 2012.

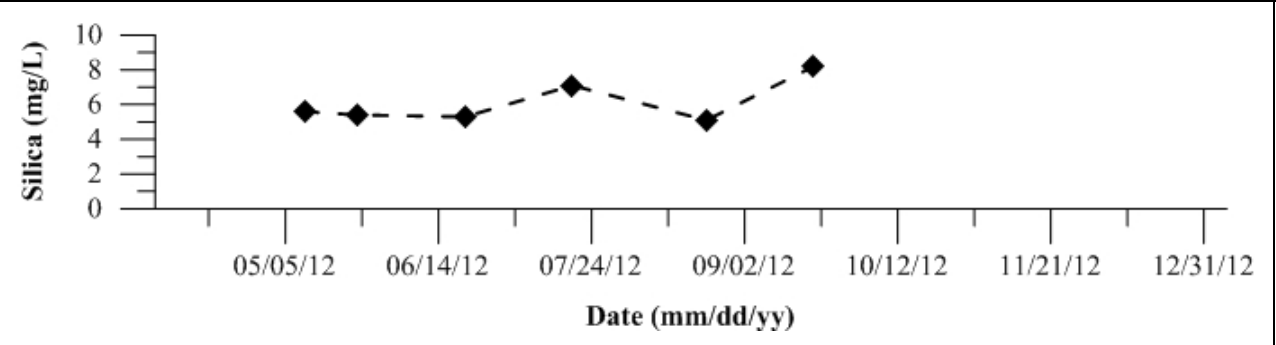


Figure 1786: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

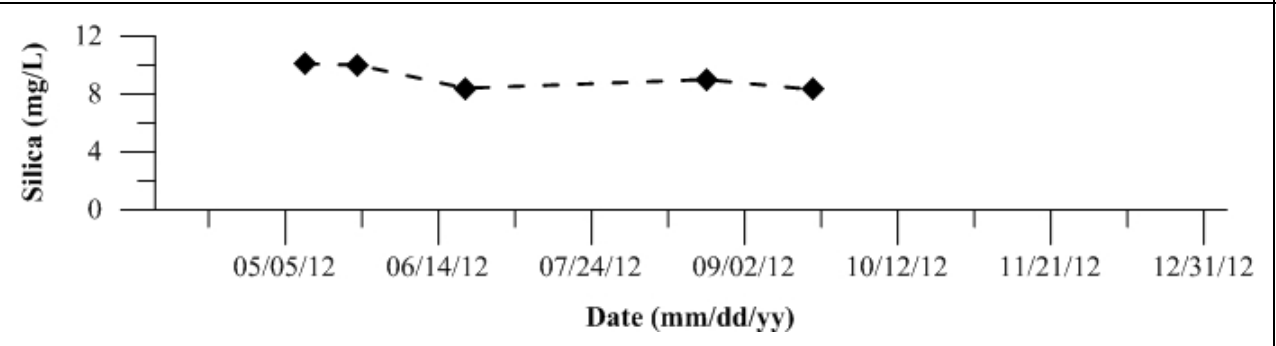


Figure 1787: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 21 Orestimba Creek at River Road. Data collected in 2012.

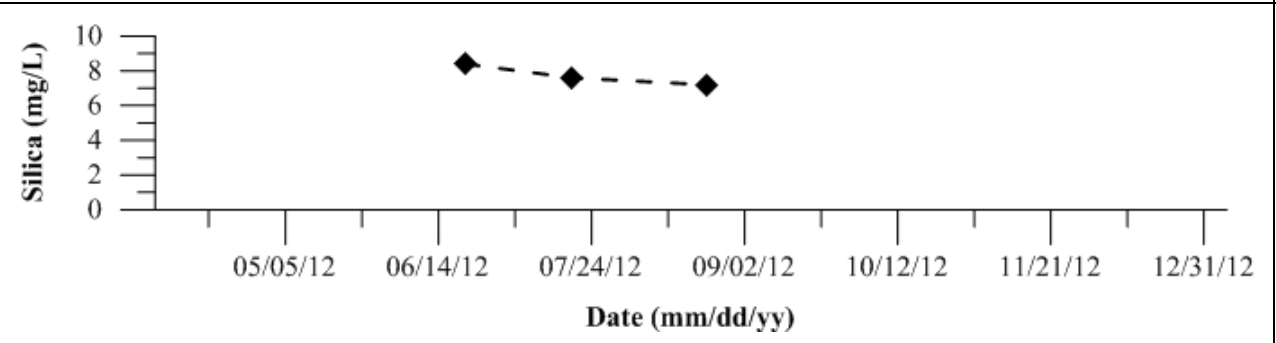


Figure 1788: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

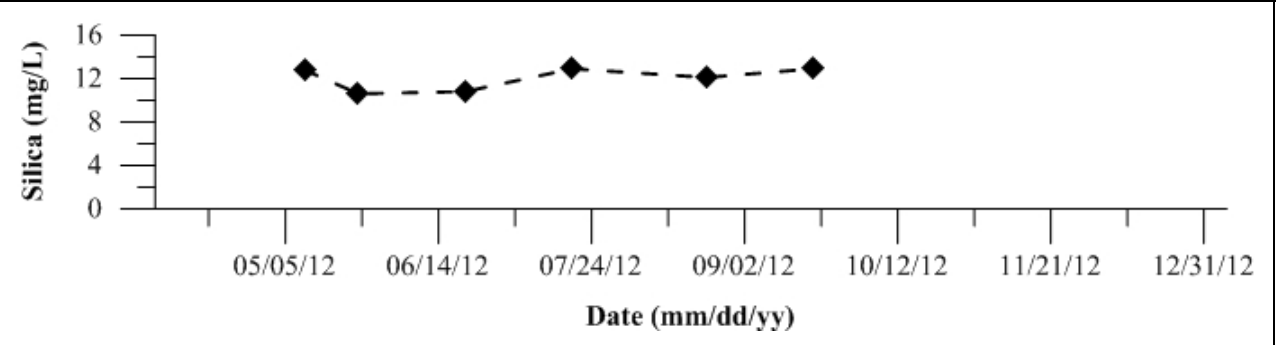


Figure 1789: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 34 Ingram Creek. Data collected in 2012.

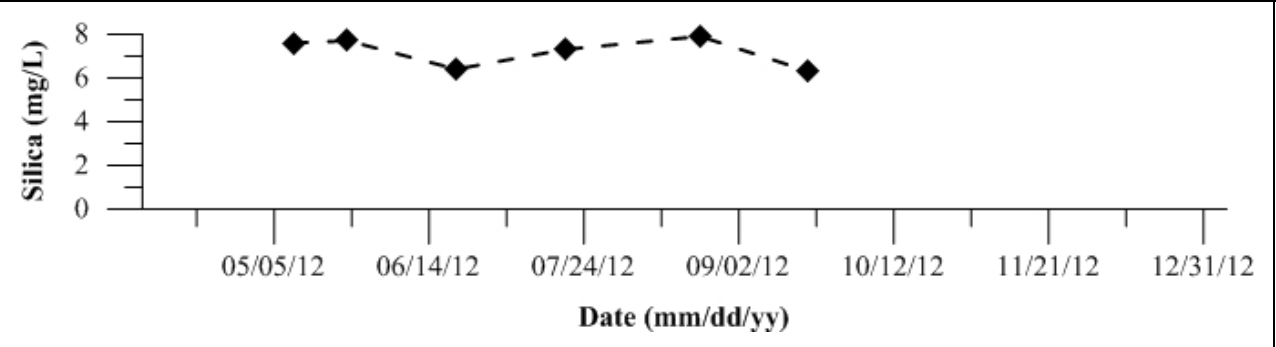


Figure 1790: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 44 San Luis Drain End. Data collected in 2012.

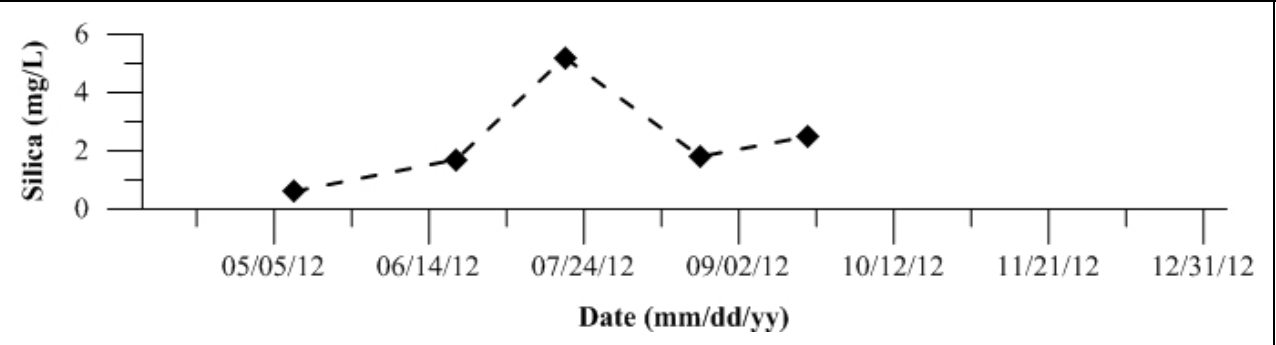


Figure 1791: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 127 SJR at Brant Bridge. Data collected in 2012.

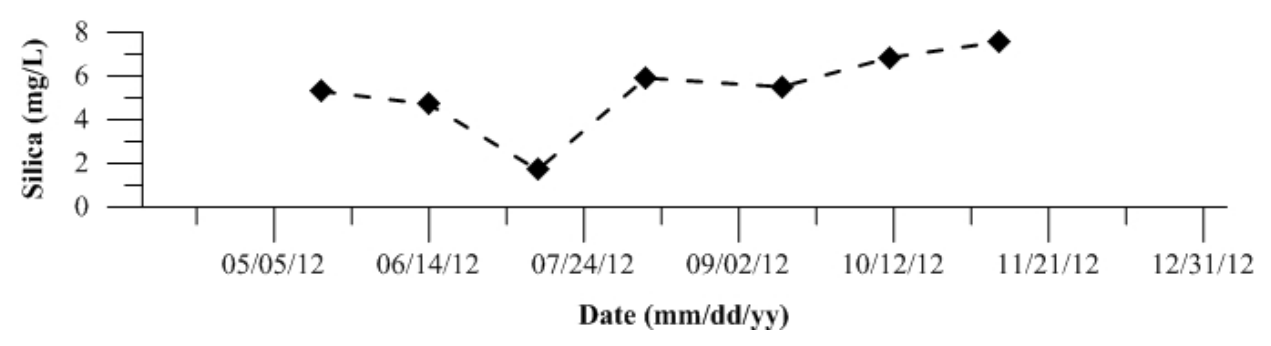


Figure 1792: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 402 Light 18 (Node 96). Data collected in 2012.

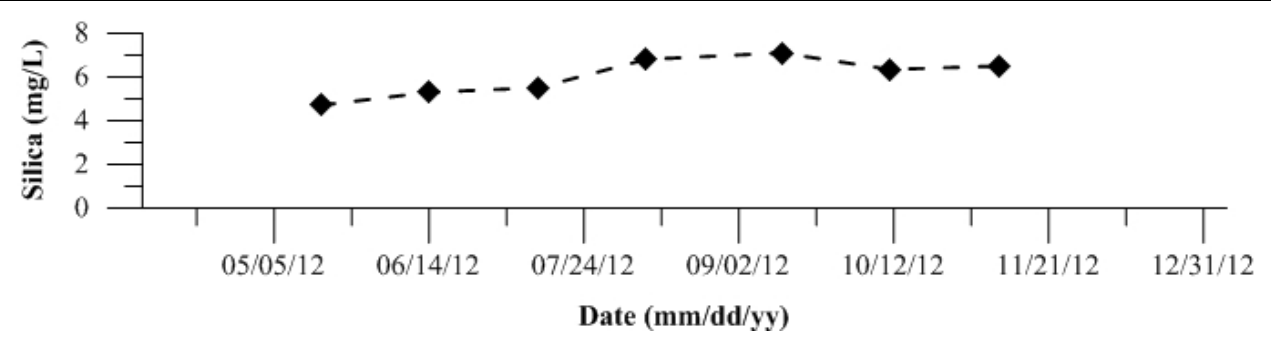


Figure 1793: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 405 Calaveras River. Data collected in 2012.

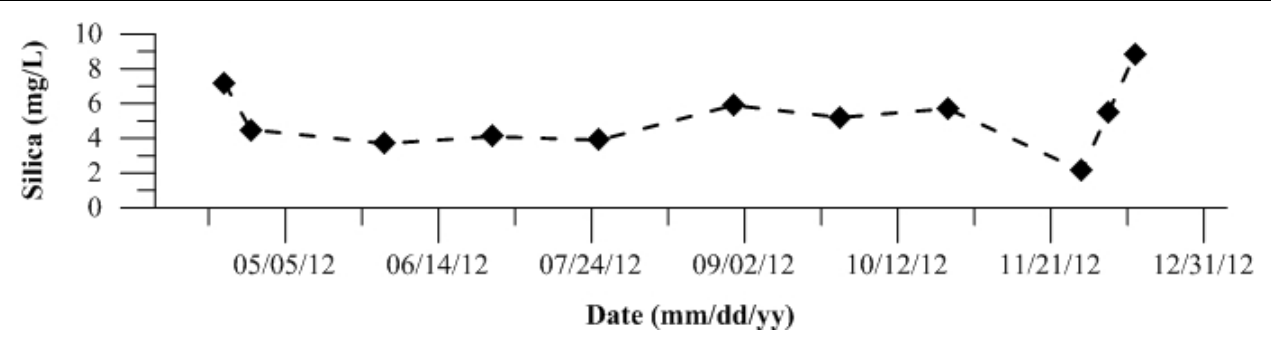


Figure 1794: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

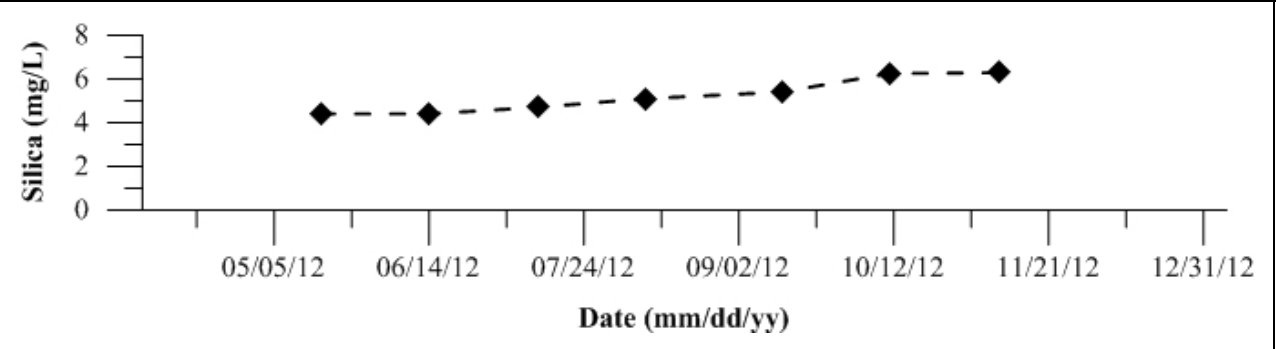


Figure 1795: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

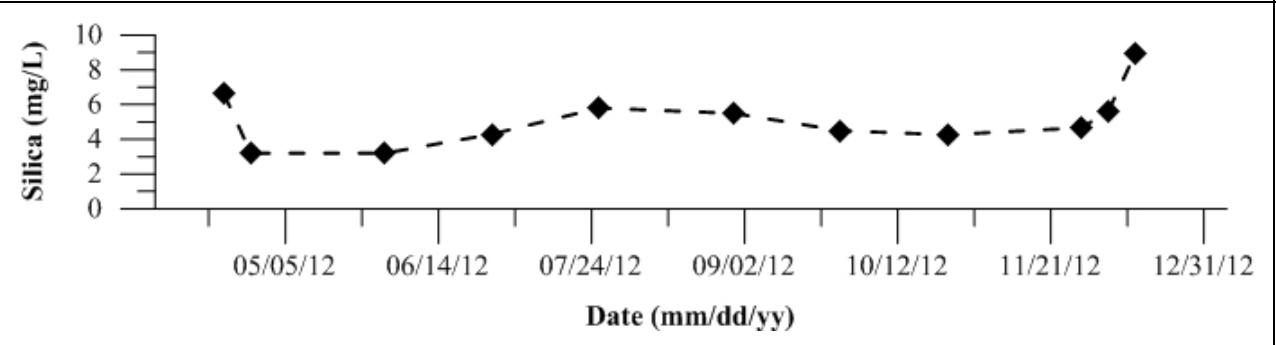


Figure 1796: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

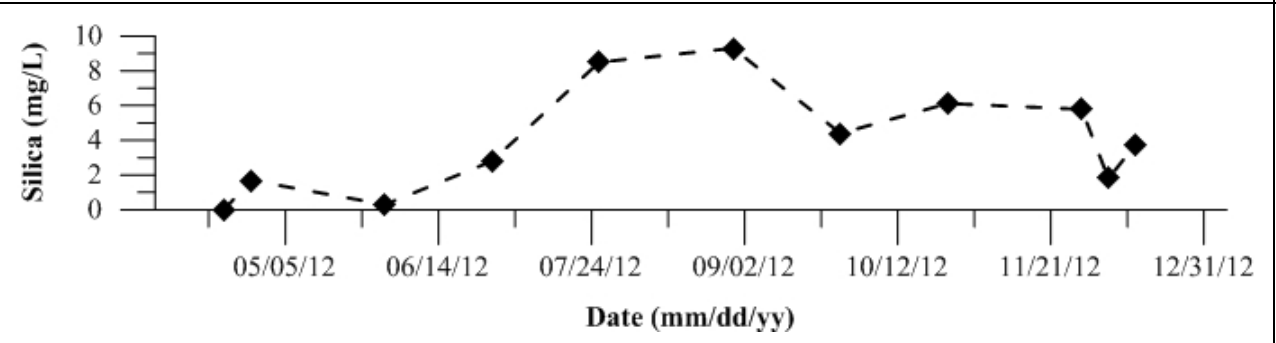


Figure 1797: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

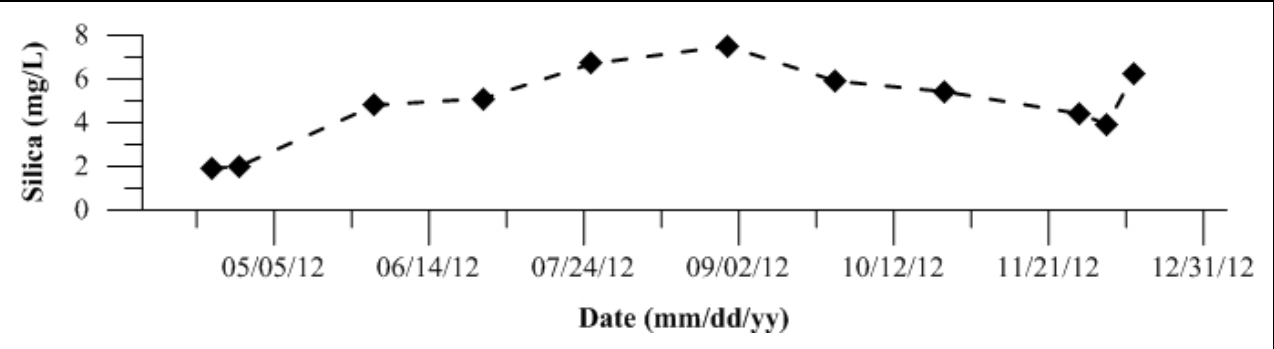


Figure 1798: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

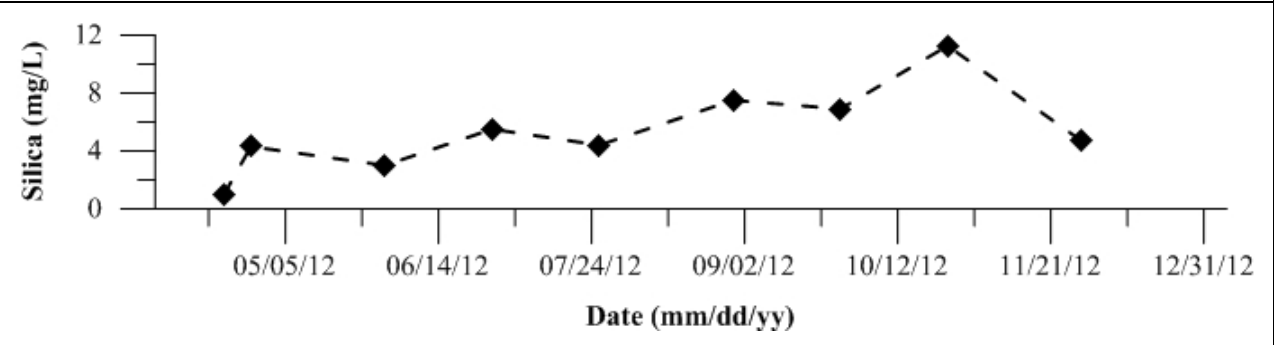


Figure 1799: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 424 14mi Slough. Data collected in 2012.

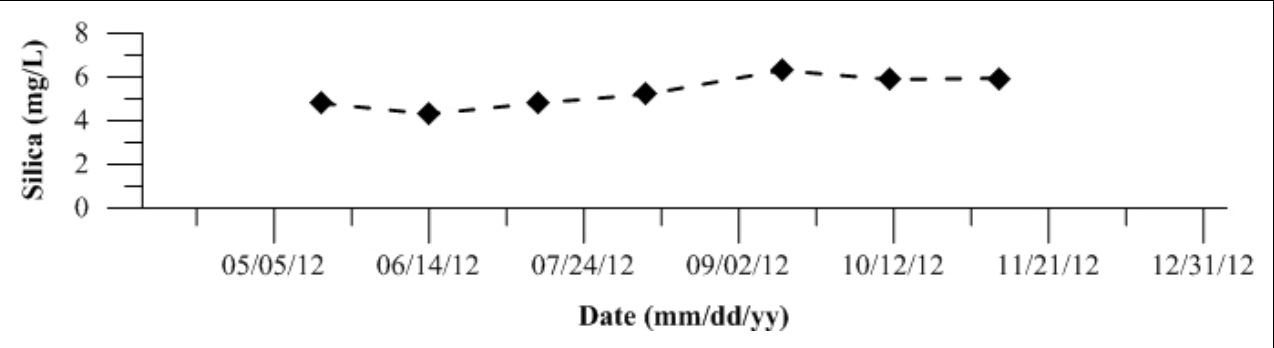


Figure 1800: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 425 Turner Cut. Data collected in 2012.

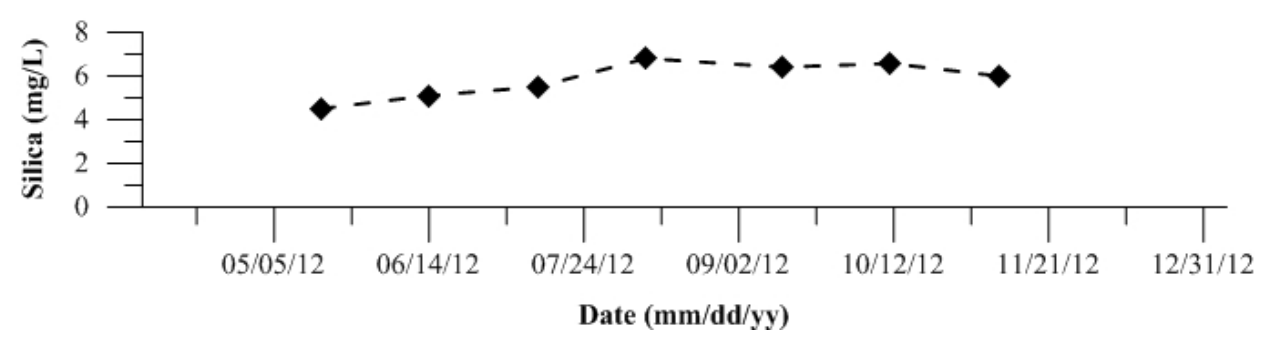


Figure 1801: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

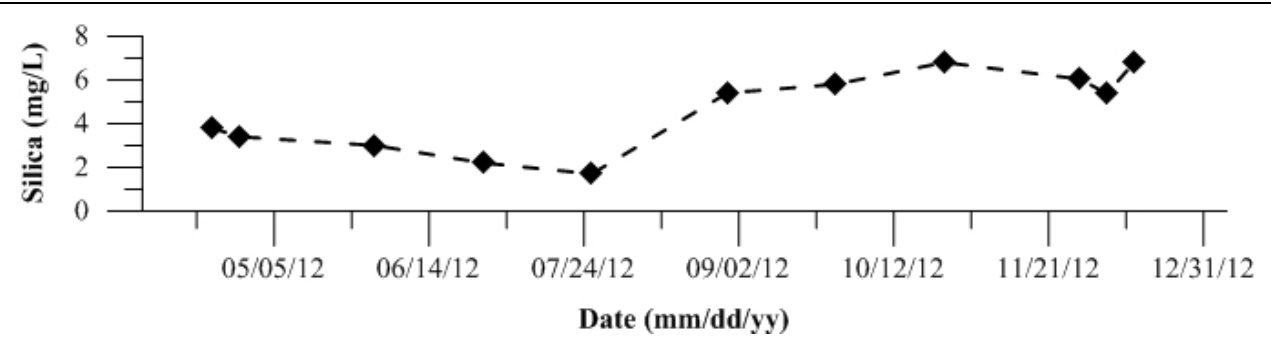


Figure 1802: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 427 RM 39 Near Louis Park. Data collected in 2012.

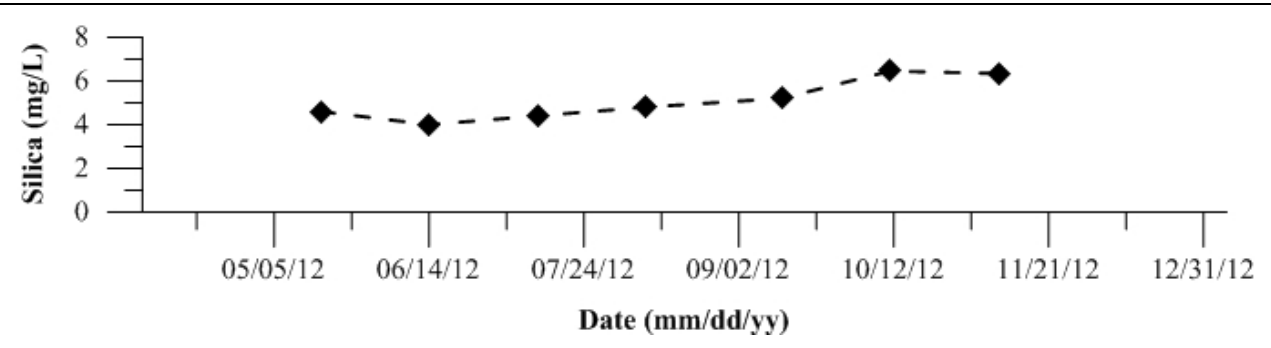


Figure 1803: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

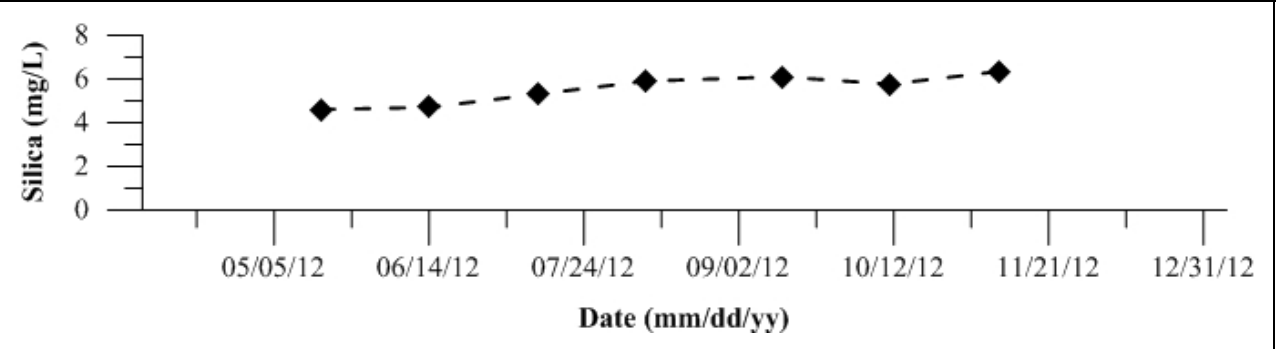
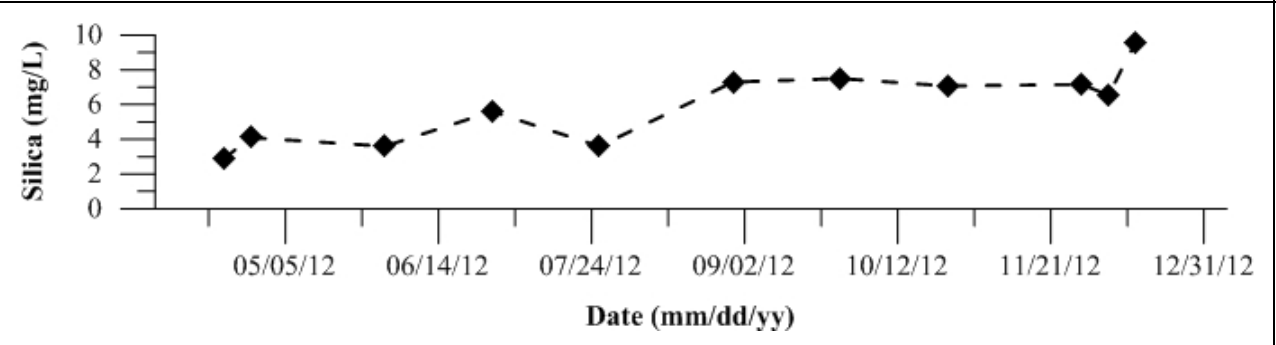


Figure 1804: Dissolved Silica $\text{SiO}_2\text{-Si}$ for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1805-1830: Temporal plots of Specific Ultraviolet Absorbance (SUVA) by Site ID

Figure 1805: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 2 SJR at Dos Reis Park. Data collected in 2012.

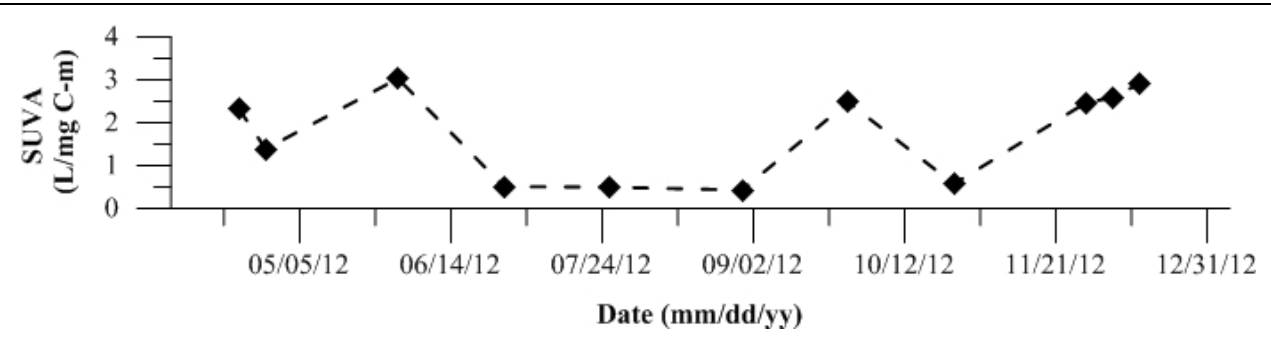


Figure 1806: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 4 SJR at Mossdale. Data collected in 2012.

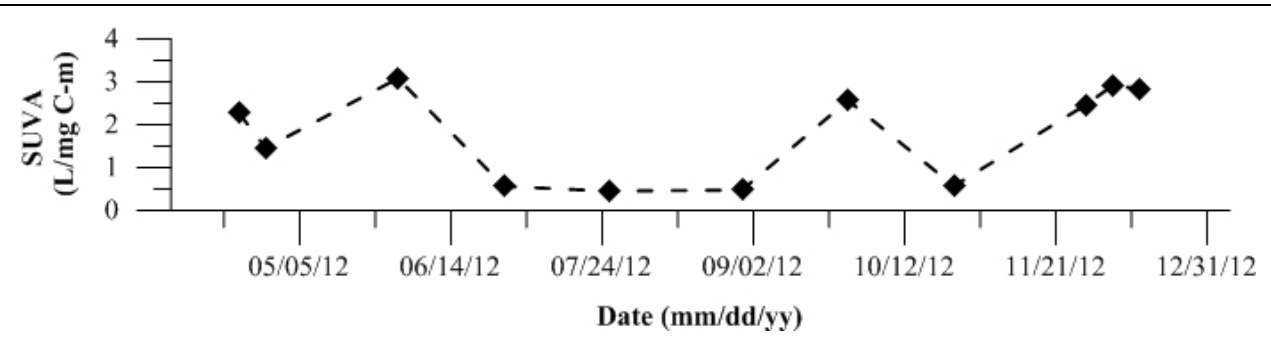


Figure 1807: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 7 SJR at Patterson. Data collected in 2012.

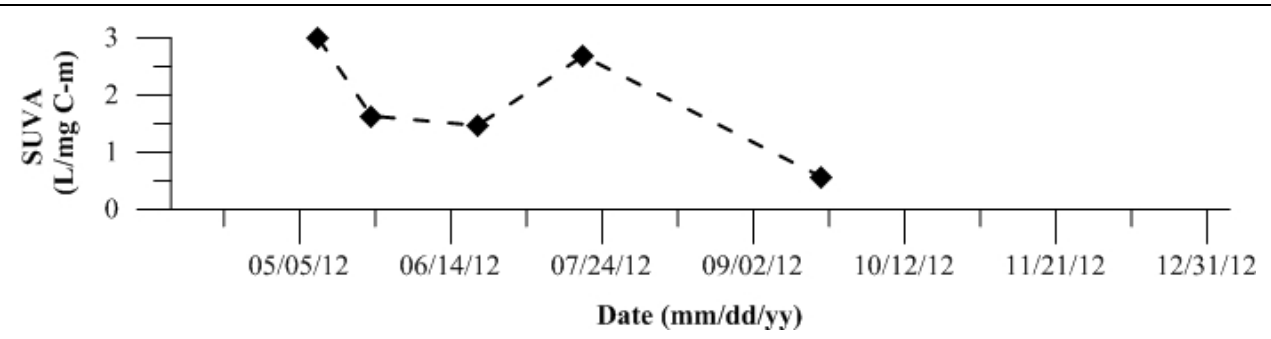


Figure 1808: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 10 SJR at Lander Avenue. Data collected in 2012.

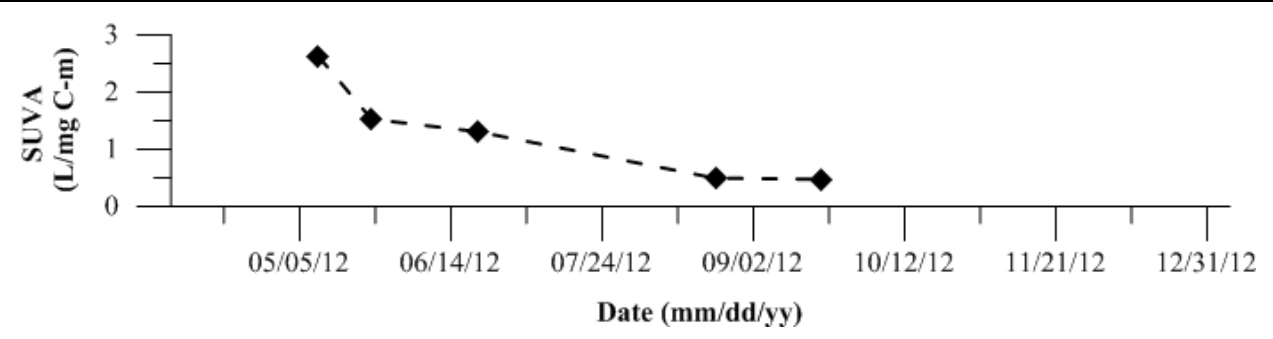


Figure 1809: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 11 French Camp Slough. Data collected in 2012.

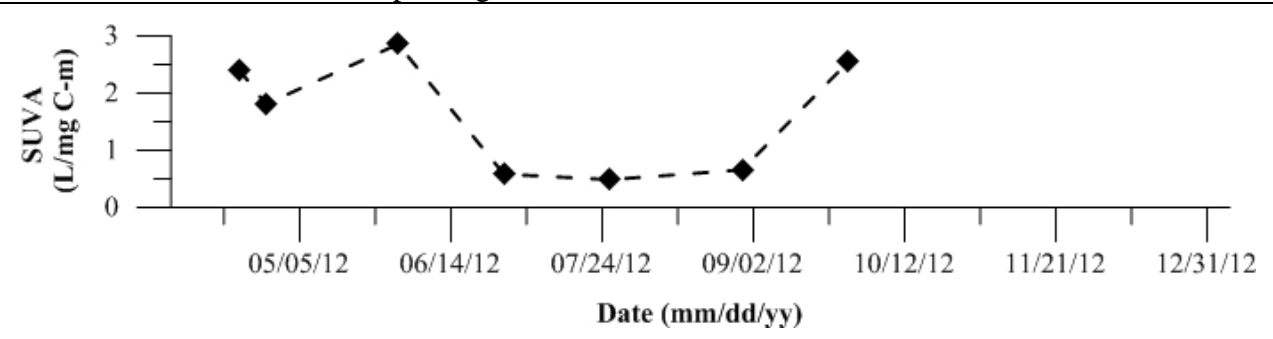


Figure 1810: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 16 Merced River at River Road. Data collected in 2012.

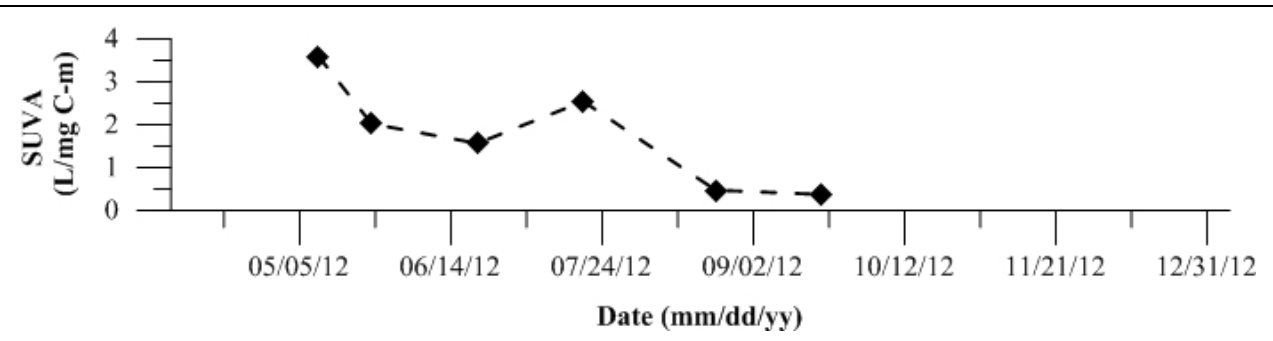


Figure 1811: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 18 Mud Slough near Gustine. Data collected in 2012.

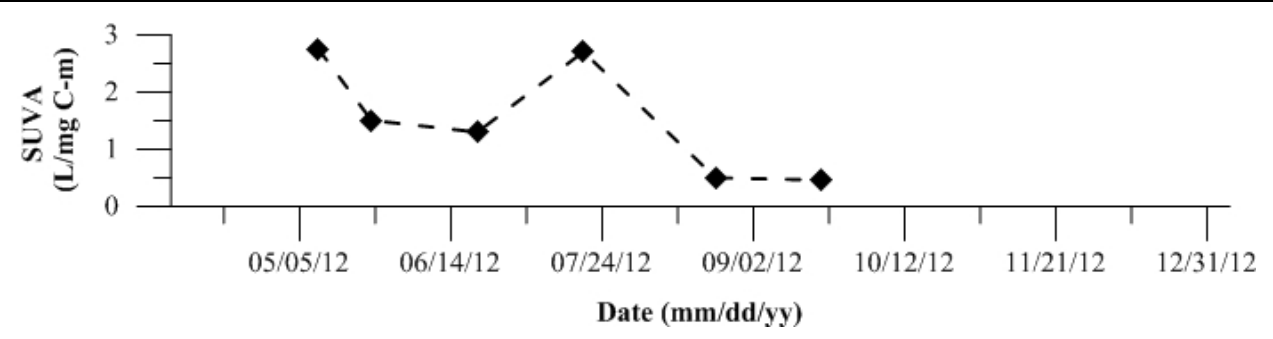


Figure 1812: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

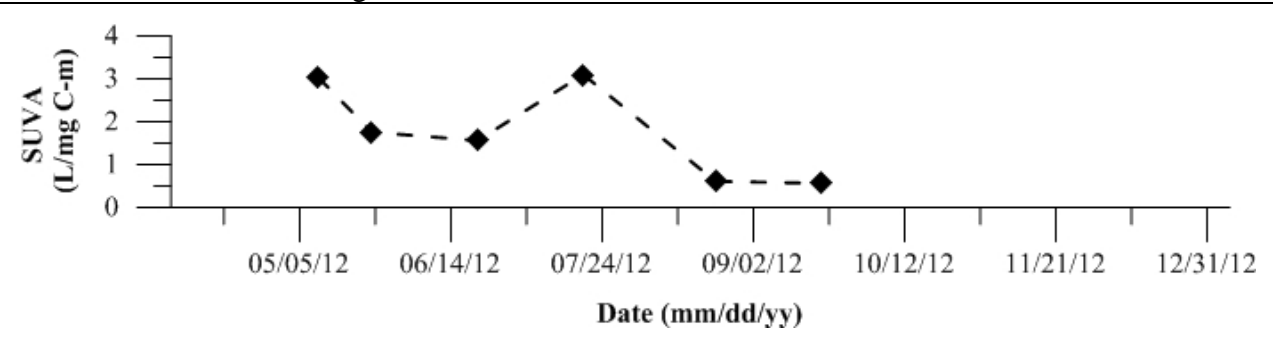


Figure 1813: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 21 Orestimba Creek at River Road. Data collected in 2012.

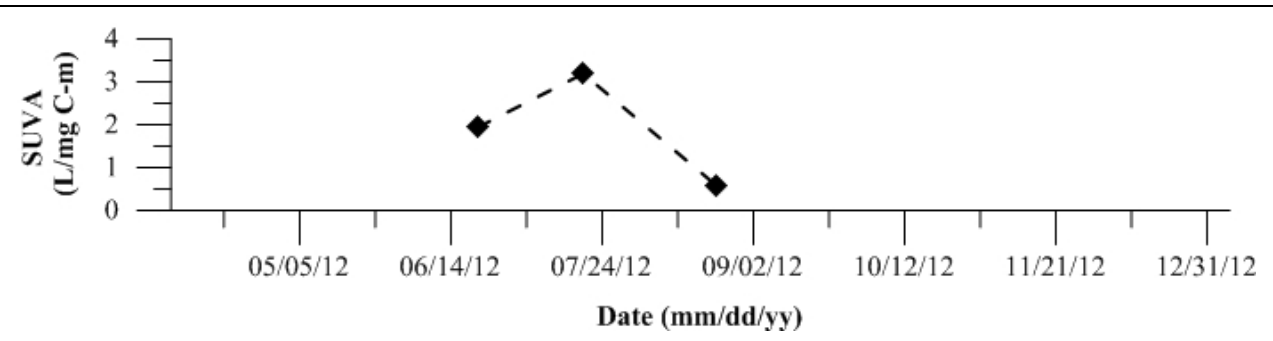


Figure 1814: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

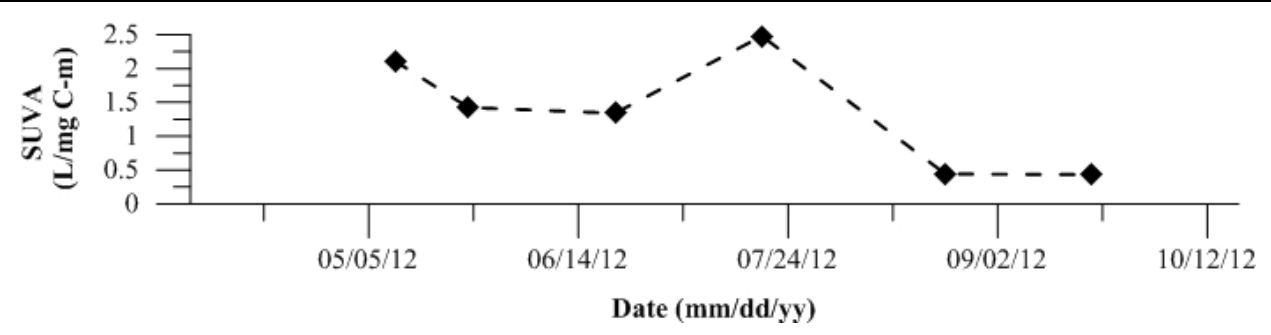


Figure 1815: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 34 Ingram Creek. Data collected in 2012.

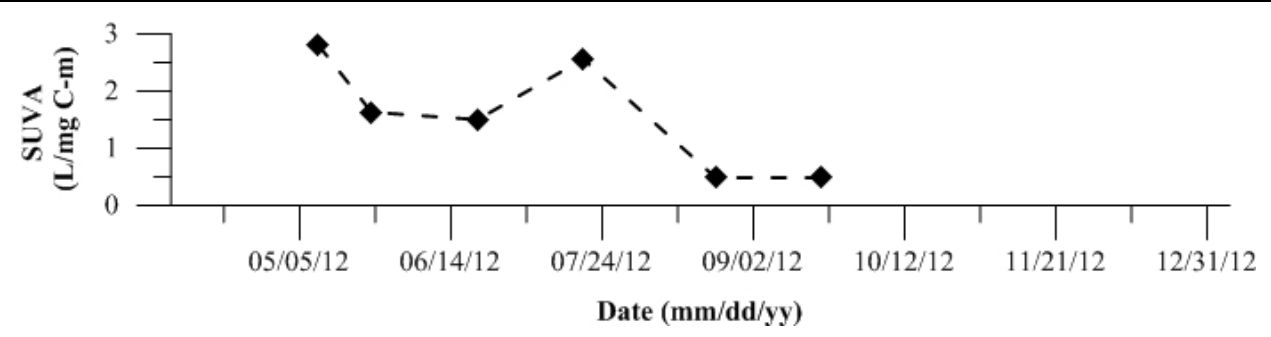


Figure 1816: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 44 San Luis Drain End. Data collected in 2012.

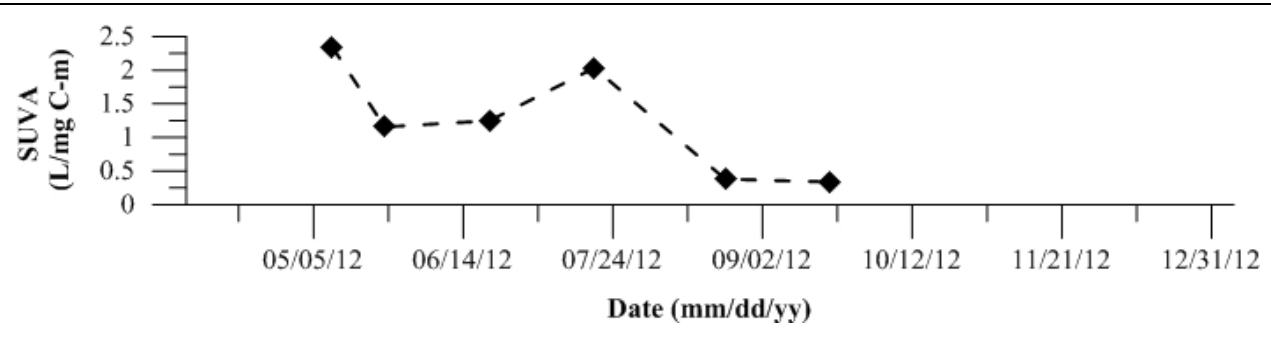


Figure 1817: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 127 SJR at Brant Bridge. Data collected in 2012.

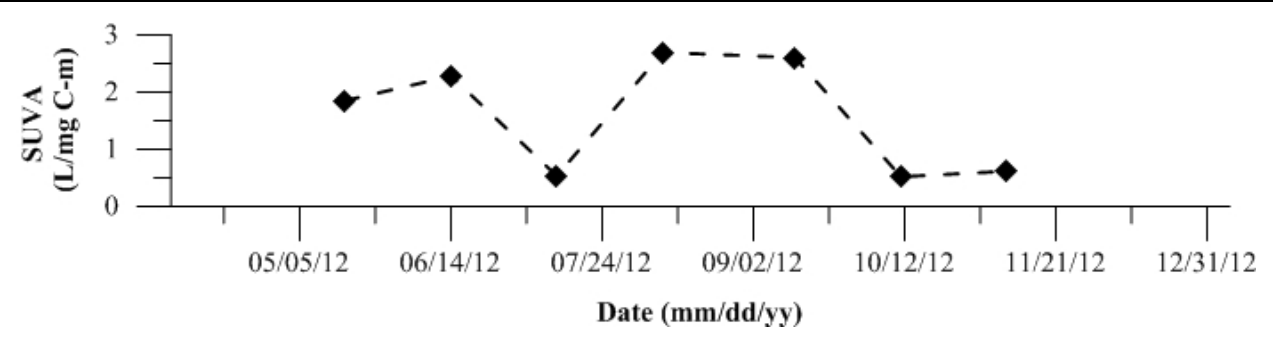


Figure 1818: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 402 Light 18 (Node 96). Data collected in 2012.

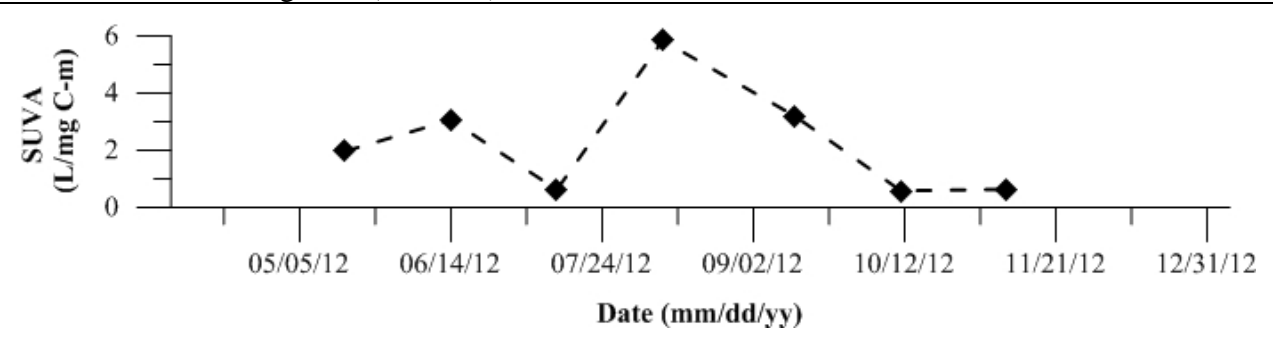


Figure 1819: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 405 Calaveras River. Data collected in 2012.

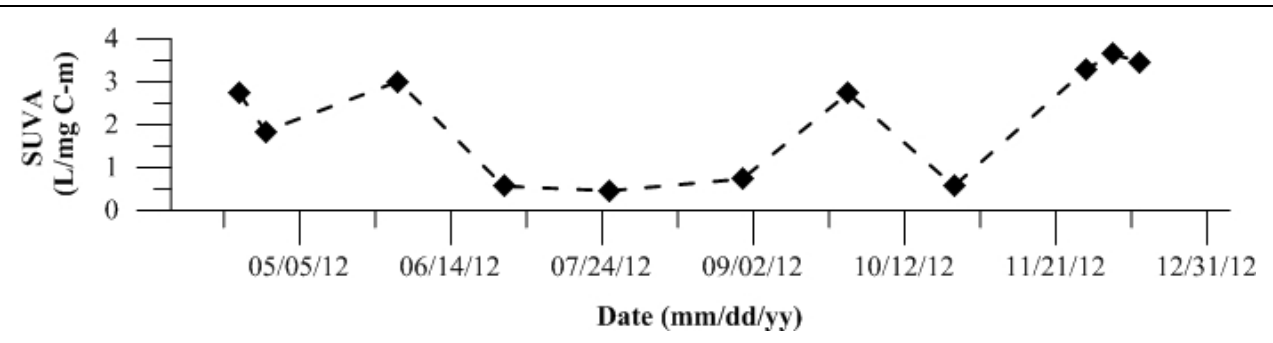


Figure 1820: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

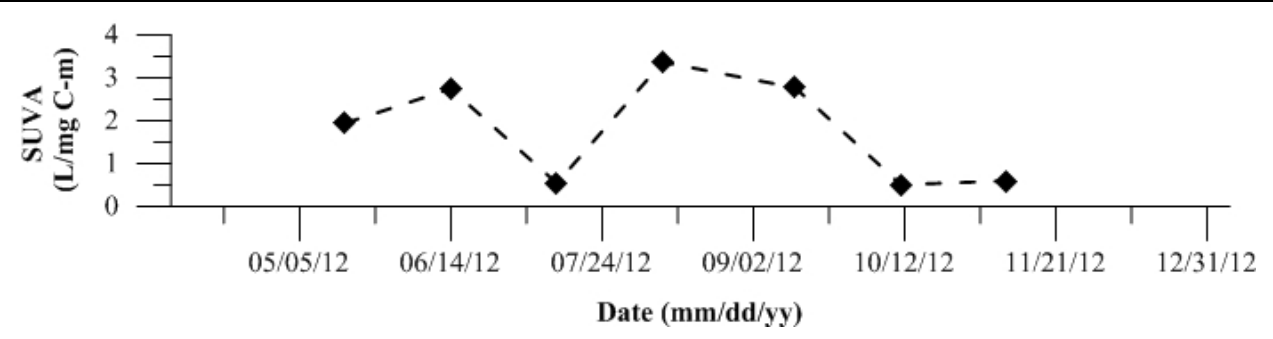


Figure 1821: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

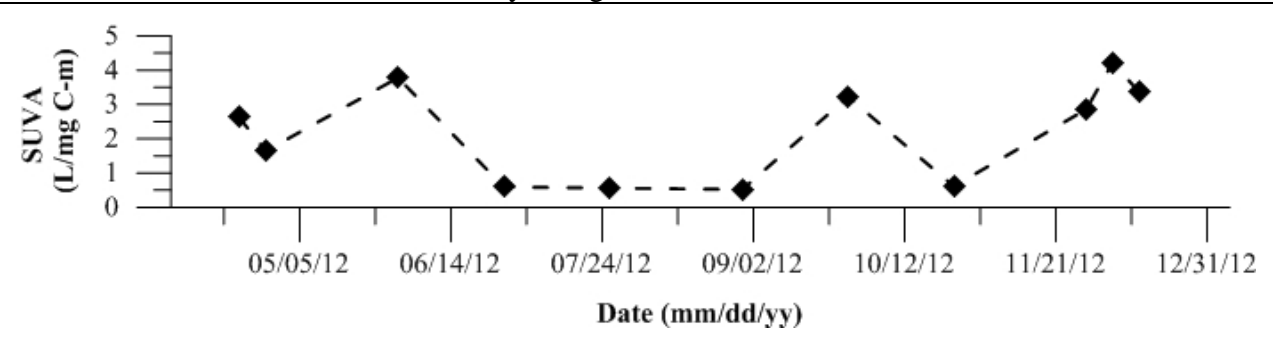


Figure 1822: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

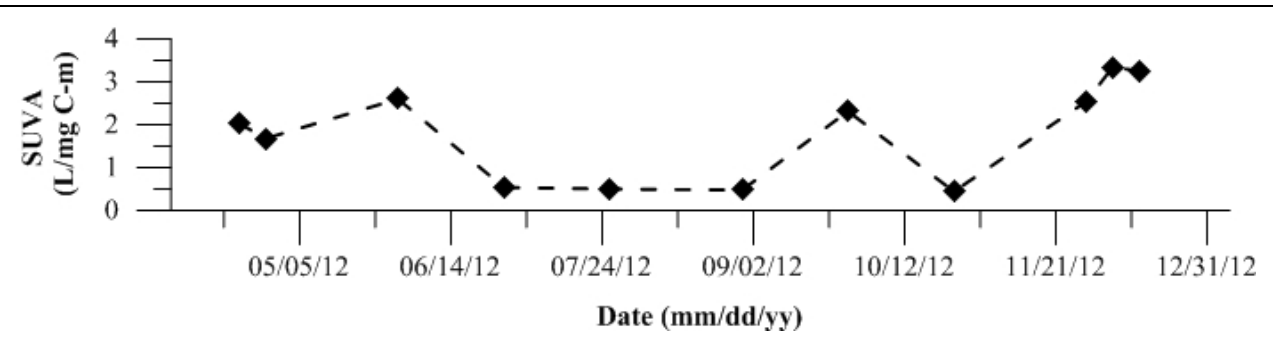


Figure 1823: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

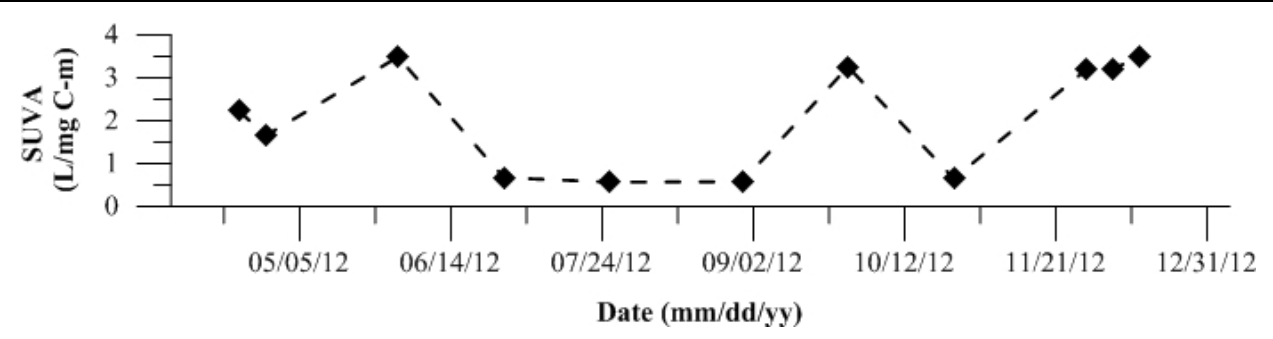


Figure 1824: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

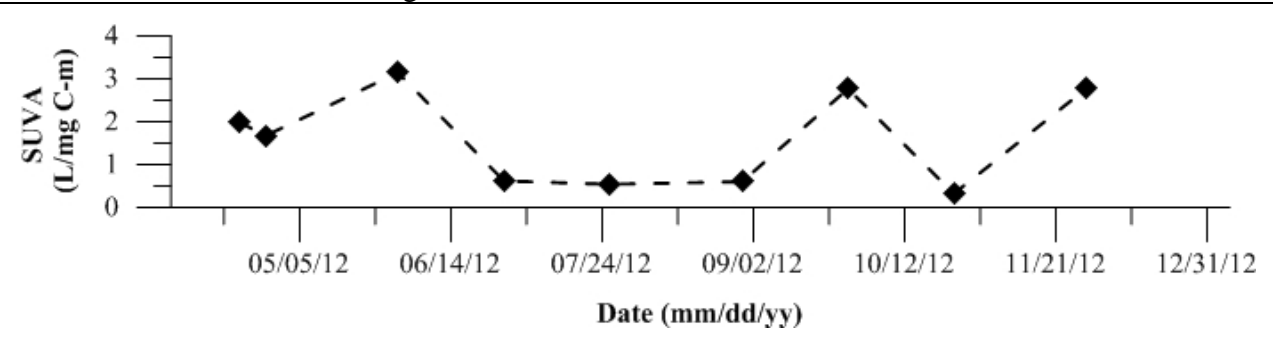


Figure 1825: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 424 14mi Slough. Data collected in 2012.

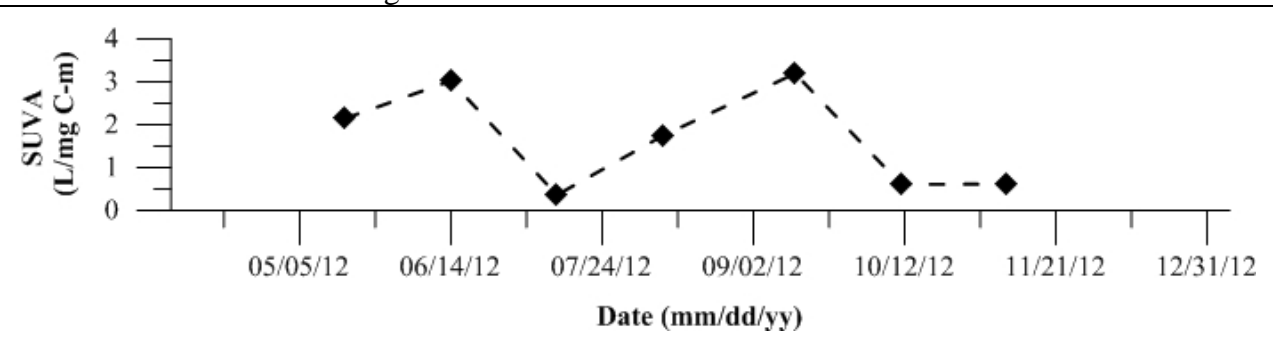


Figure 1826: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 425 Turner Cut. Data collected in 2012.

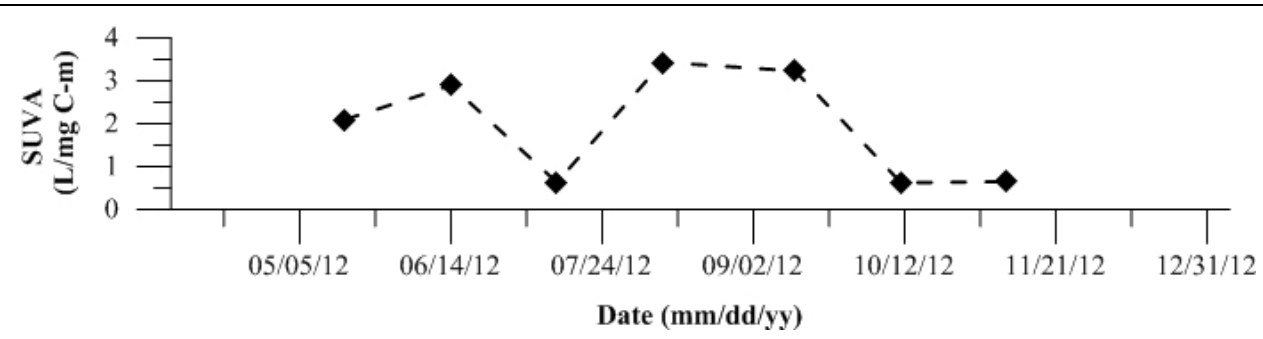


Figure 1827: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

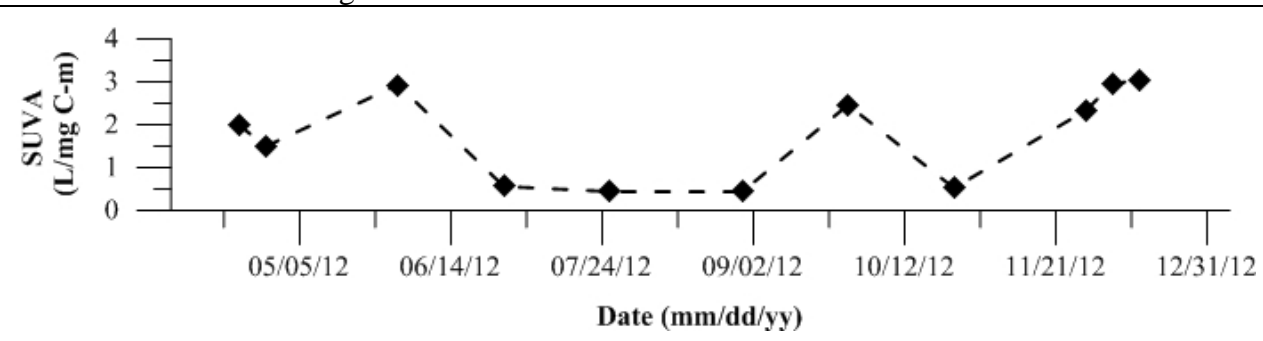


Figure 1828: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 427 RM 39 Near Louis Park. Data collected in 2012.

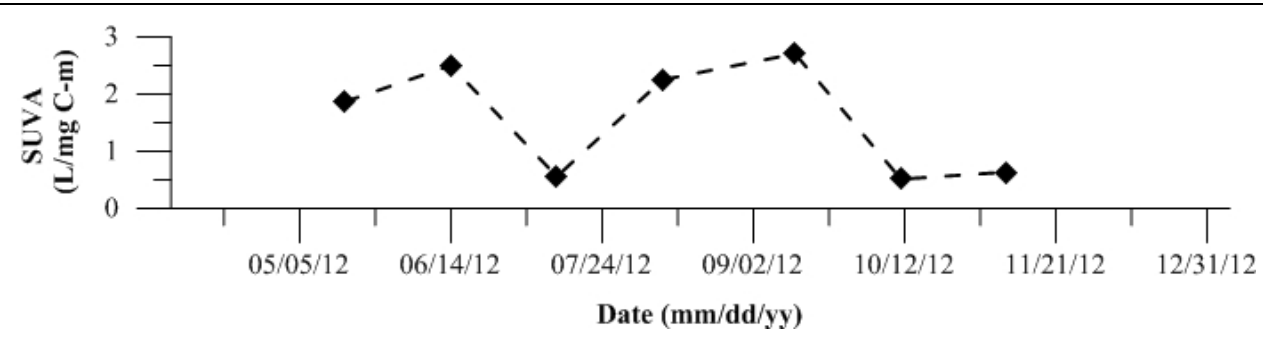


Figure 1829: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

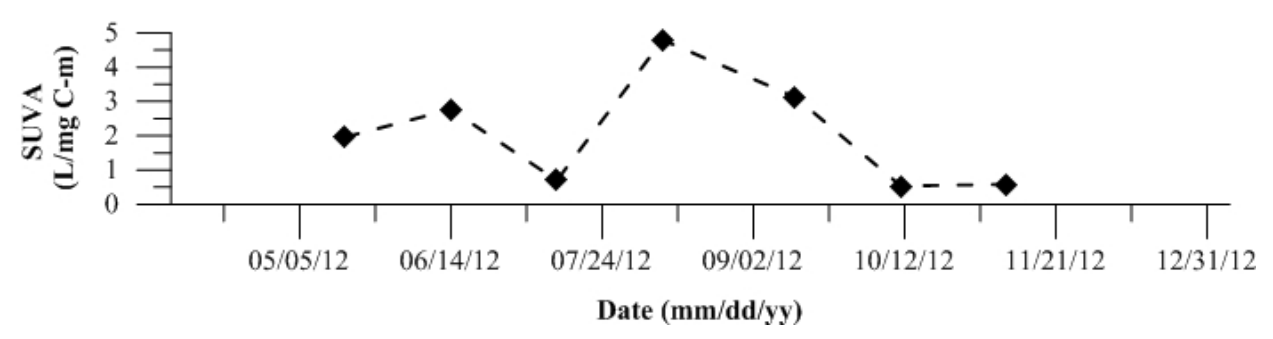
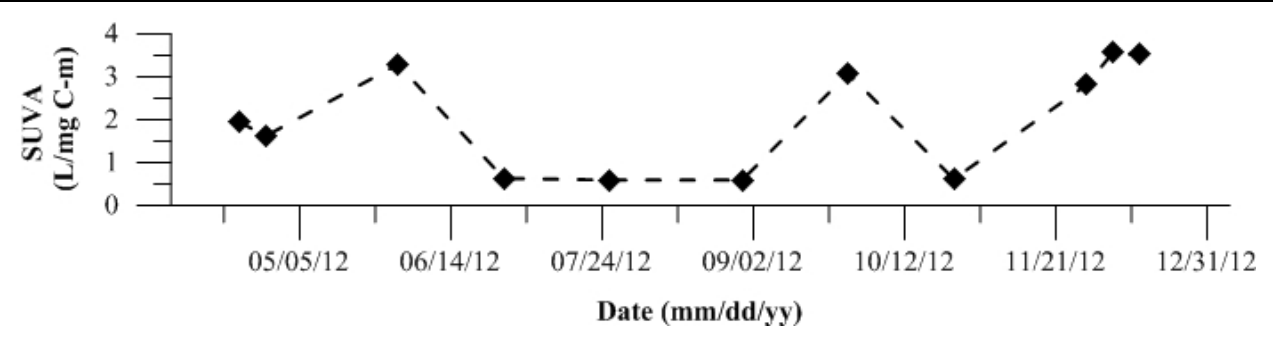


Figure 1830: Specific Ultraviolet Absorbance (SUVA) measured in liters per milligram carbon-meter for Site 433 Paradise Marina (Node 70). Data collected in 2012.



Figures 1831-1856: Temporal plots of chloride by Site ID

Figure 1831: Chloride for Site 2 SJR at Dos Reis Park. Data collected in 2012.

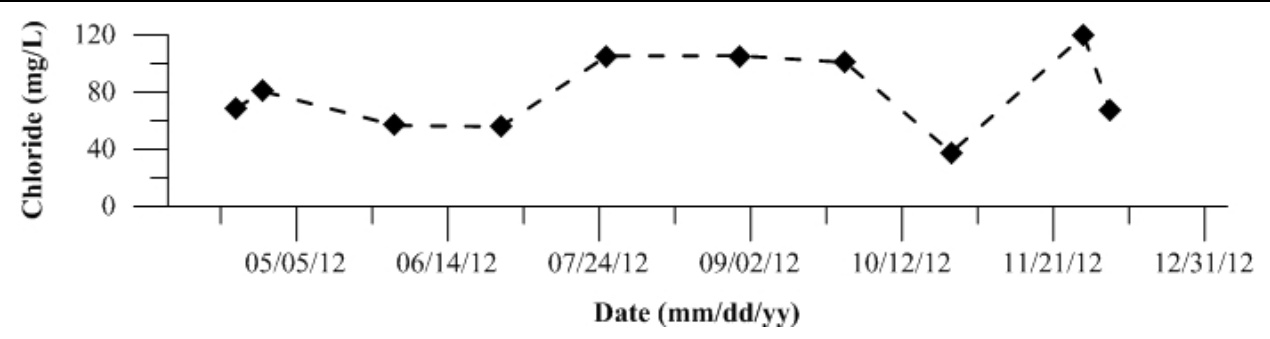


Figure 1832: Chloride for Site 4 SJR at Mossdale. Data collected in 2012.

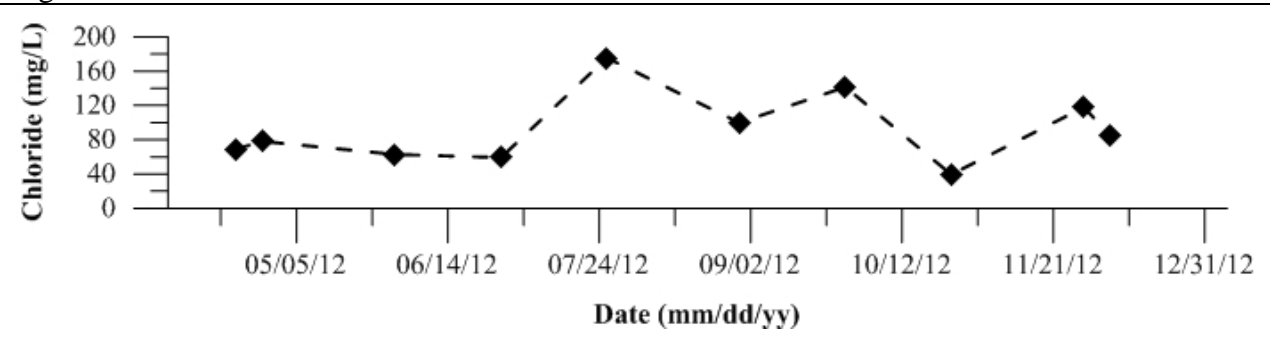


Figure 1833: Chloride for Site 7 SJR at Patterson. Data collected in 2012.

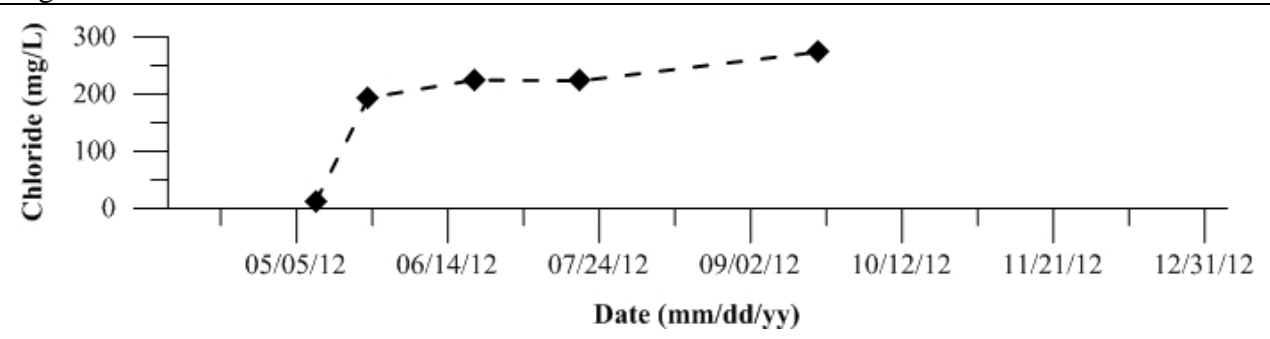


Figure 1834: Chloride for Site 10 SJR at Lander Avenue. Data collected in 2012.

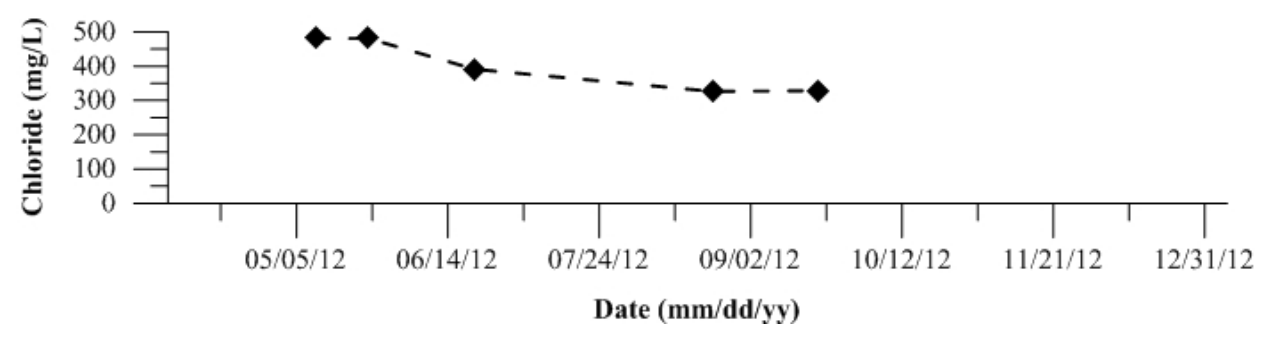


Figure 1835: Chloride for Site 11 French Camp Slough. Data collected in 2012.

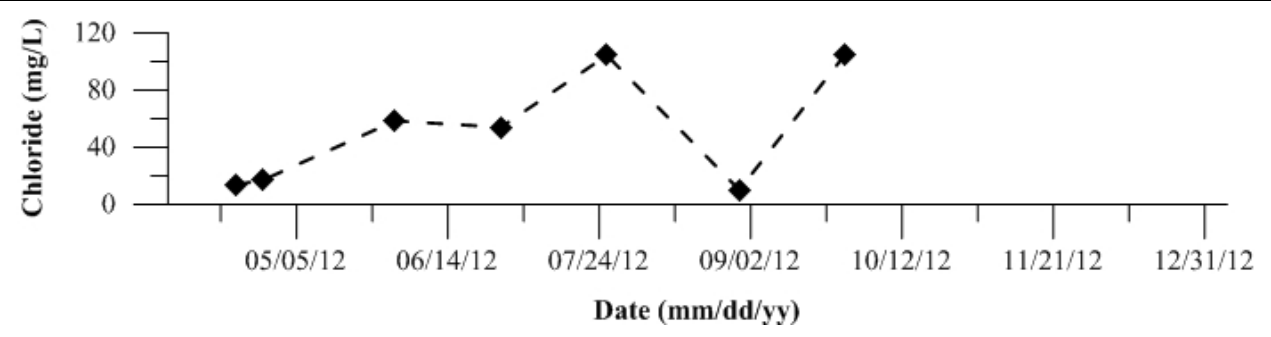


Figure 1836: Chloride for Site 16 Merced River at River Road. Data collected in 2012.

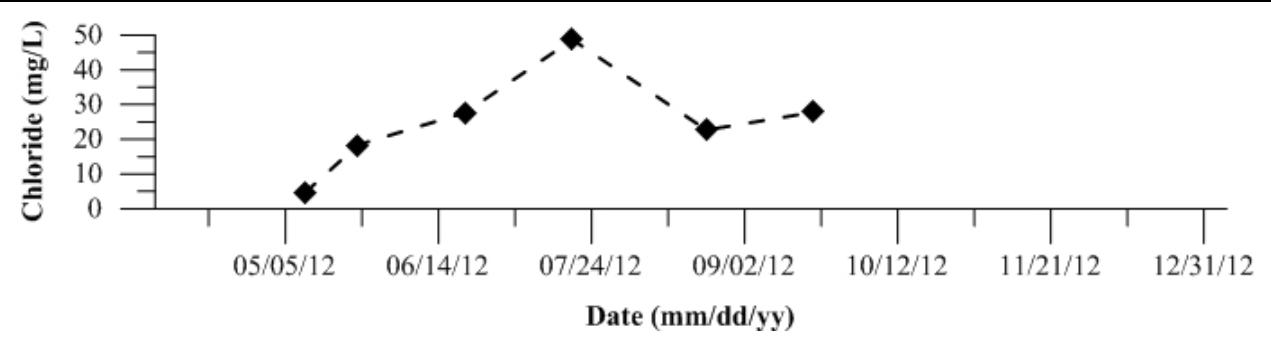


Figure 1837: Chloride for Site 18 Mud Slough near Gustine. Data collected in 2012.

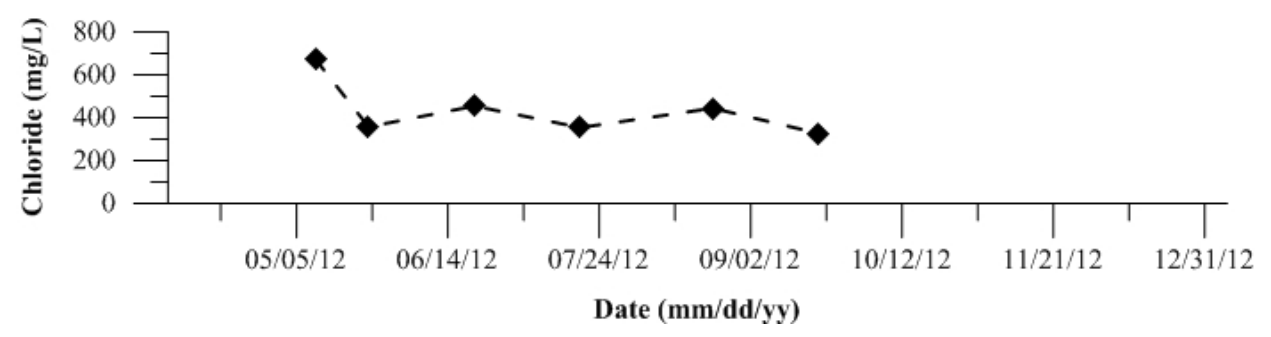


Figure 1838: Chloride for Site 19 Salt Slough at Lander Avenue. Data collected in 2012.

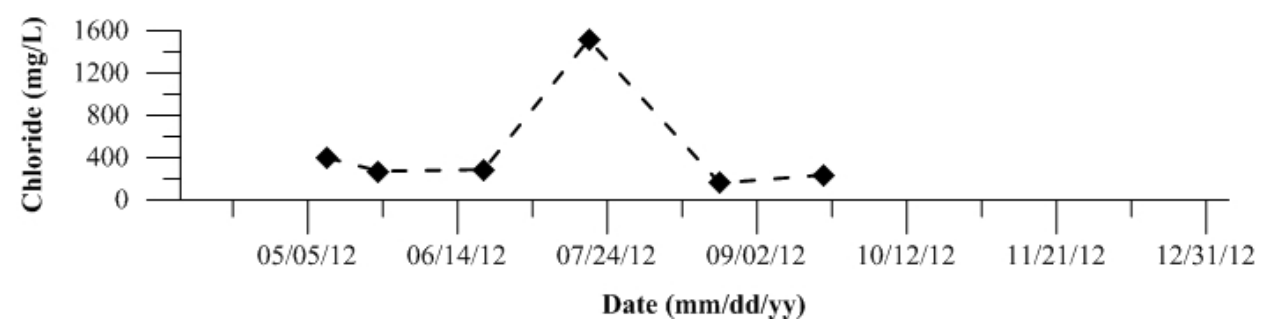


Figure 1839: Chloride for Site 21 Orestimba Creek at River Road. Data collected in 2012.

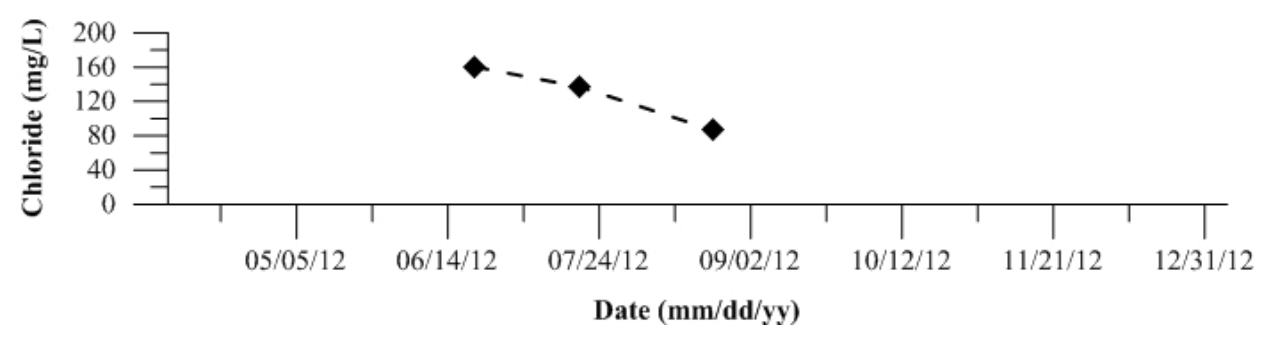


Figure 1840: Chloride for Site 29 Harding Drain at Carpenter Road. Data collected in 2012.

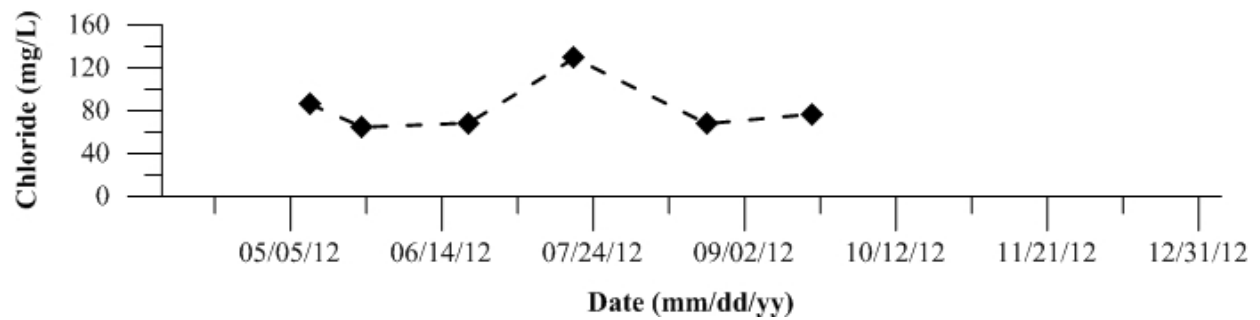


Figure 1841: Chloride for Site 34 Ingram Creek. Data collected in 2012.

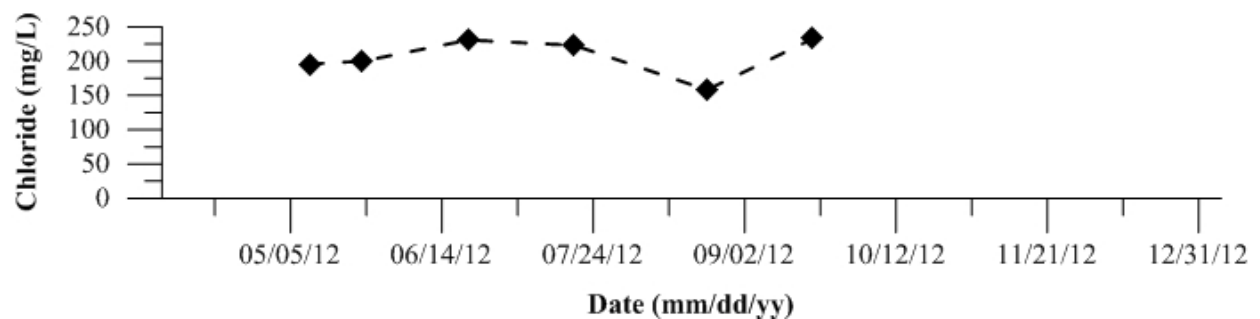


Figure 1842: Chloride for Site 44 San Luis Drain End. Data collected in 2012.

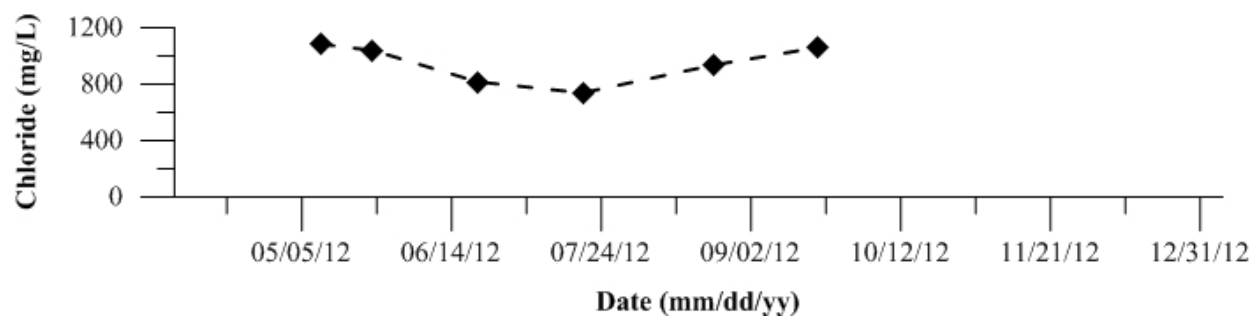


Figure 1843: Chloride for Site 127 SJR at Brant Bridge. Data collected in 2012.

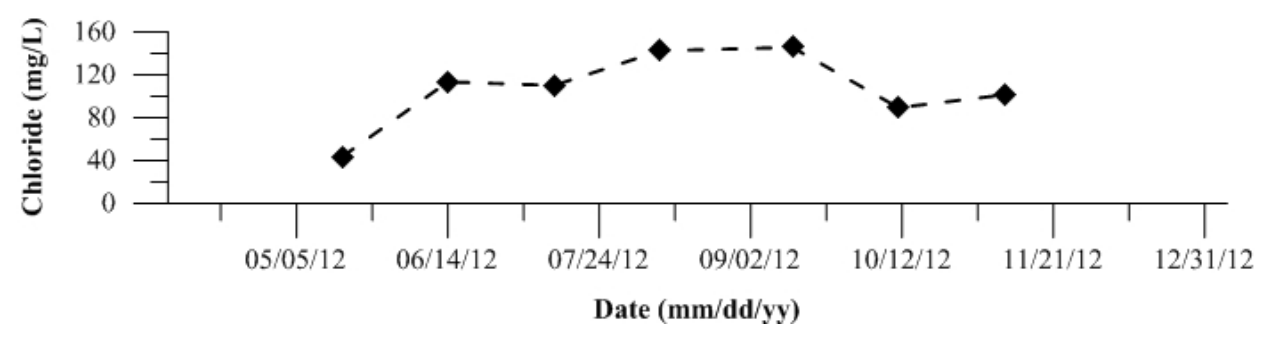


Figure 1844: Chloride for Site 402 Light 18 (Node 96). Data collected in 2012.

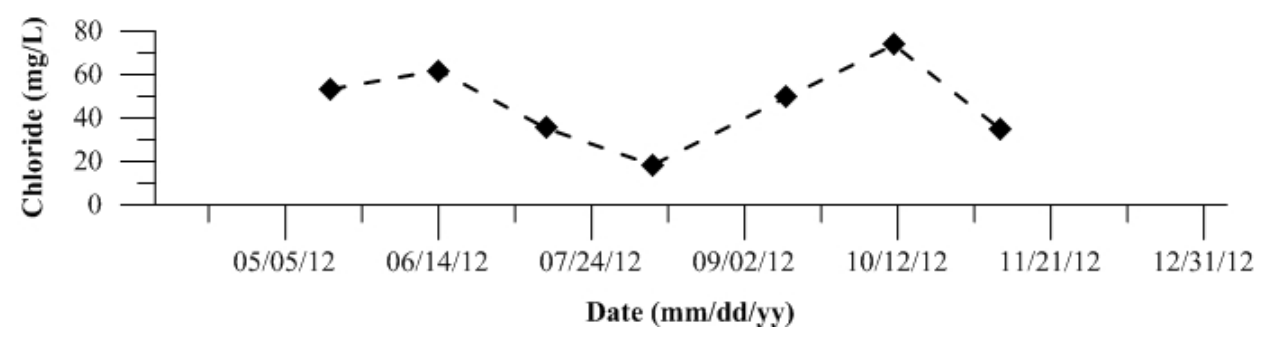


Figure 1845: Chloride for Site 405 Calaveras River. Data collected in 2012.

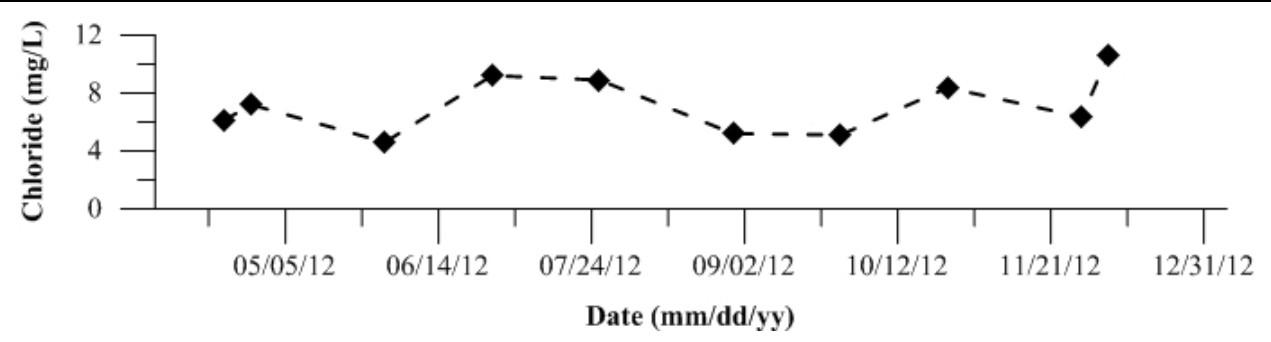


Figure 1846: Chloride for Site 406 RM 35.8 Light 38 DWSC. Data collected in 2012.

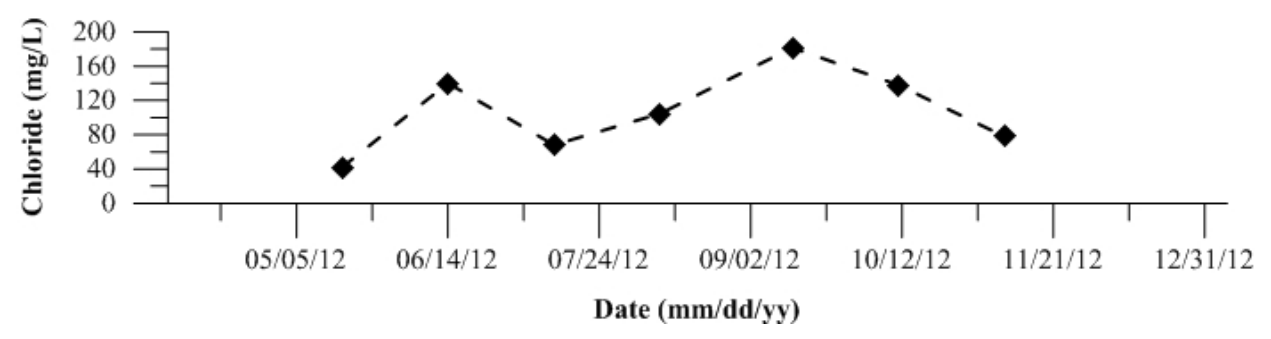


Figure 1847: Chloride for Site 410 Bear Creek at Trinity Bridge. Data collected in 2012.

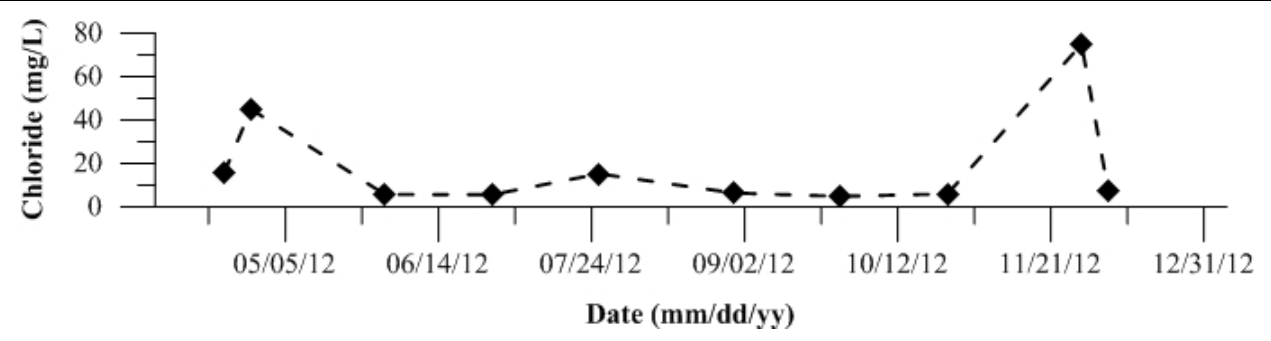


Figure 1848: Chloride for Site 413 Smith Canal at Yosemite Lake. Data collected in 2012.

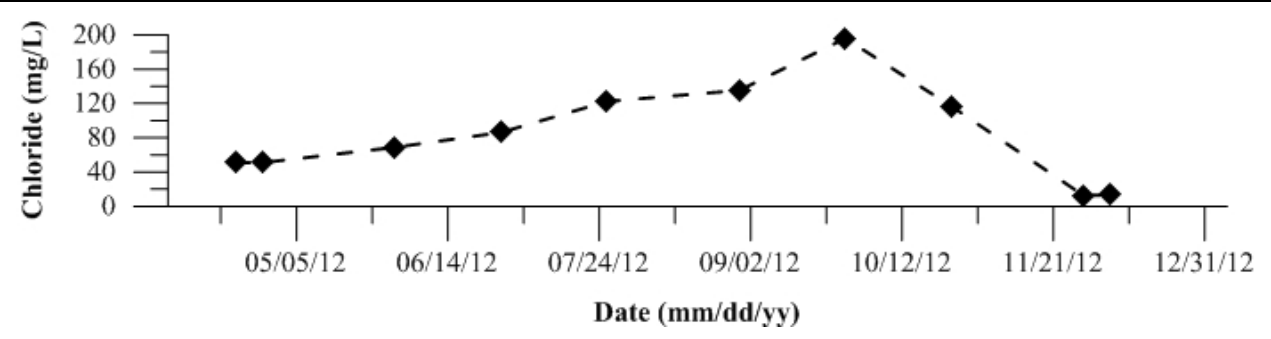


Figure 1849: Chloride for Site 420 Mosher Slough at Mariners Dr. Data collected in 2012.

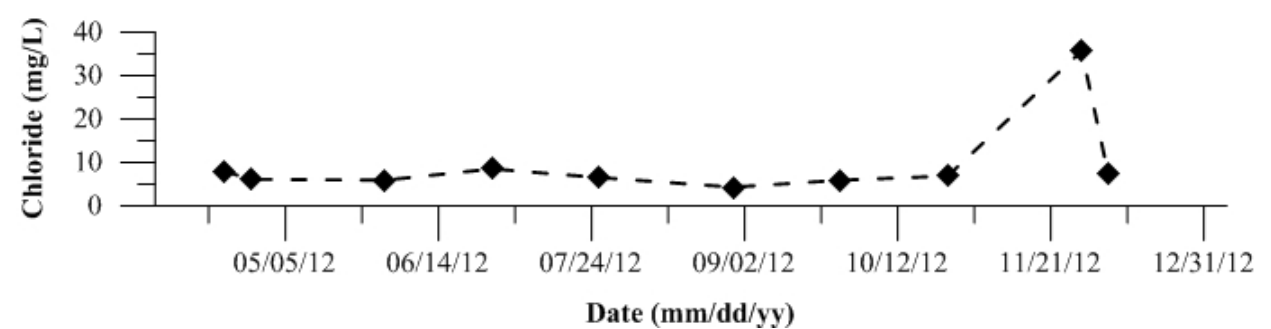


Figure 1850: Chloride for Site 421 5 Mile Slough at Hazelwood Ave. Data collected in 2012.

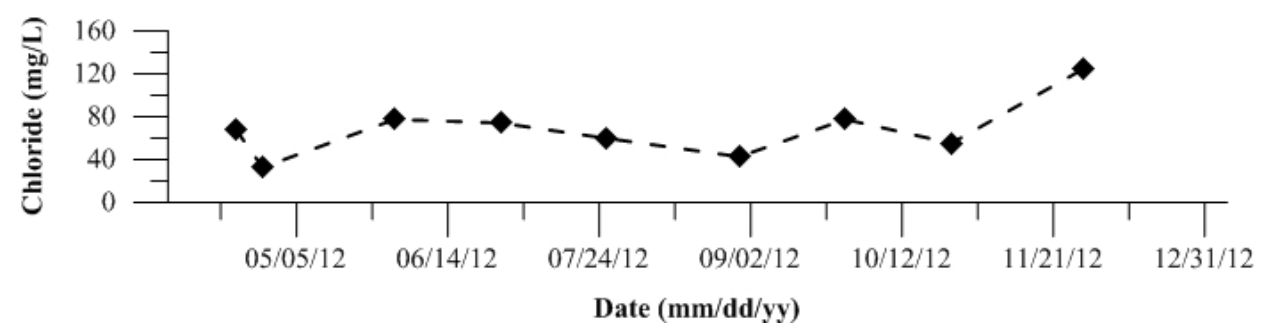


Figure 1851: Chloride for Site 424 14mi Slough. Data collected in 2012.

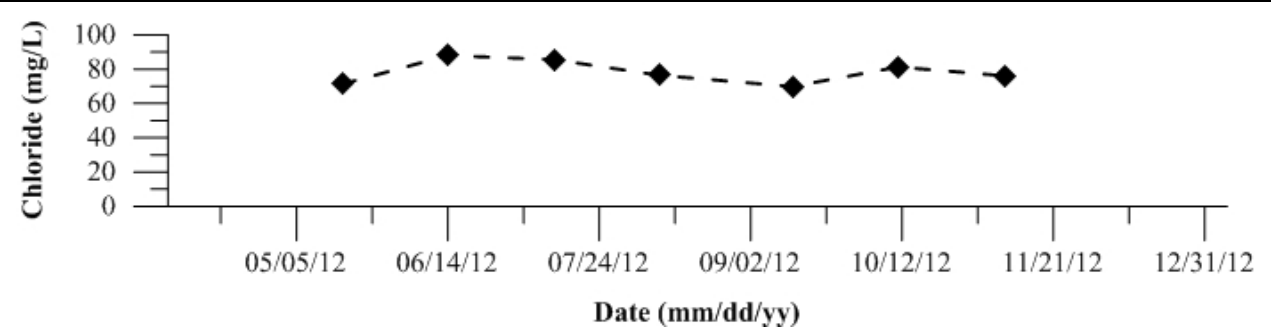


Figure 1852: Chloride for Site 425 Turner Cut. Data collected in 2012.

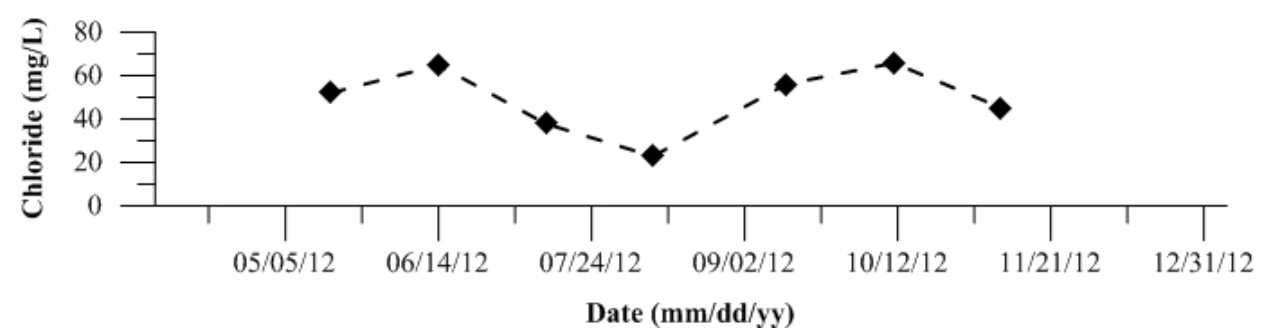


Figure 1853: Chloride for Site 426 Turning Basin at Morelli Park Launch. Data collected in 2012.

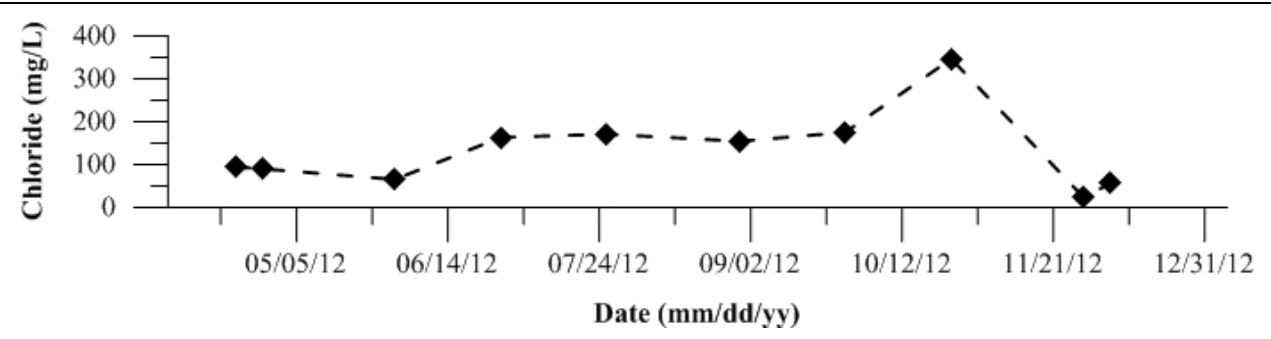


Figure 1854: Chloride for Site 427 RM 39 Near Louis Park. Data collected in 2012.

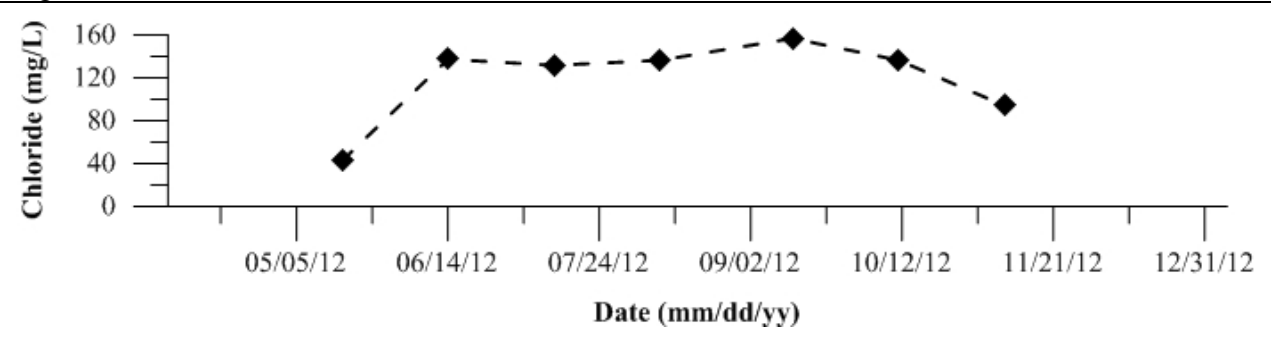


Figure 1855: Chloride for Site 428 RM 33.2 Upstream of Acker Isl. Data collected in 2012.

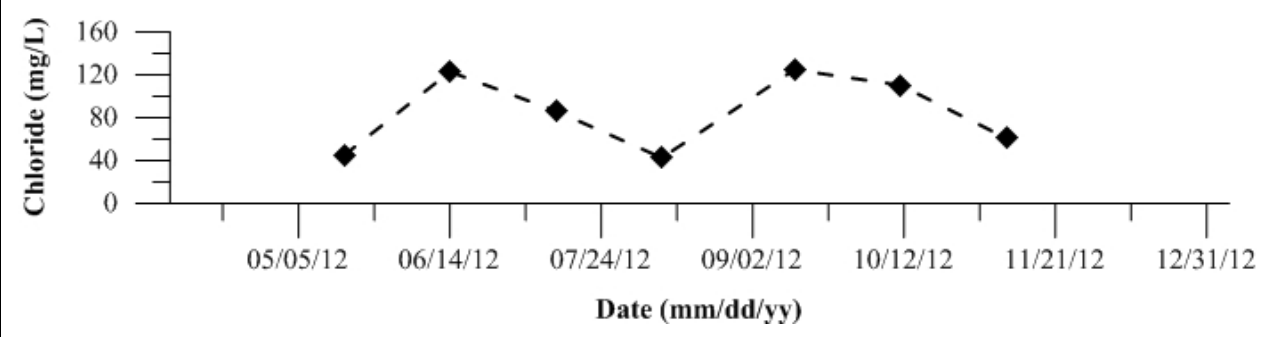


Figure 1856: Chloride for Site 433 Paradise Marina (Node 70). Data collected in 2012.

